

SEQUENCE LISTING

<110> Rosen et al.

<120> 125 Human Secreted Proteins

<130> PZ020P2C1

<150> US 09/974,879

<151> 2001-10-12

<150> US 60/239,893

<151> 2000-10-13

<150> US 09/818,683

<151> 2001-03-28

<150> US 09/305,736

<151> 1999-05-05

<150> PCT/US98/23435

<151> 1998-11-04

<150> US 60/064,911

<151> 1997-11-07

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<170> PatentIn Ver. 2.0

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<223> contains 18bp of sequence complementary to the SV40 early promoter sequence and is flanked with an XhoI site

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 <213> Artificial sequence

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 <223> primer complementary to the SV40 promoter and flanked with a Hind III site

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 <223> GAS promoter element linked to SV40 promoter

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 <223> Primer

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 <210> 8
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 <212> DNA
 <213> Artificial sequence

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 <223> NF-KB binding site

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<210> 9
<211> 73
<212> DNA
<213> Artificial sequence

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<223> Primer

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<212> DNA
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<212> DNA
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 <222> (1549)
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<210> 19
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 <213> Homo sapiens

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 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1318)
 <223> n equals a,t,g, or c

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<210> 20

<211> 1162

<212> DNA

<213> Homo sapiens

<400> 20

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cacctgcctt	aggaagattt	ctggcttctg	agctctgata	tgggggagaag	ataagggtctg	480
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<210> 21

<211> 1837

<212> DNA

<213> Homo sapiens

<400> 21

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tgcttcacag	ccgtcttggc	cttcatctgc	ctccagttct	ggtgtgtccg	ttgccatgag	300
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aggtcgtttg	tacaaatgtg	tctatagact	acccatttct	ctcccatcaa	acgtcactgc	660
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gtatcccca	gggtatgcca	aggcacaac	raggcatctc	agcagcagcr	tccactcgga	780
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<210> 22
 <211> 1054
 <212> DNA
 <213> Homo sapiens

<400> 22						
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acactgtttc	ttcttcaaca	acaagtcata	ccacagccaa	gcctgccgct	ccttcatttg	240
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<210> 23
 <211> 1066
 <212> DNA
 <213> Homo sapiens

<400> 23						
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aattgaaaat	atgaaagagt	gtgtgtatag	aagaaagaag	agagaaggaa	ggaaggaagg	600
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ggagataatg	agaagtggaa	ttaagccatg	caaagtaaaa	atctaagagg	cagctctatg	900
aaatatgact	ctactgaaca	ggtttaggag	acagcagctg	gtgaggcaaa	ctcctgctag	960
gaagaatttt	ctaattctaa	gctactttca	aatttgatag	ggctgaaaaa	tatctctctg	1020
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<210> 24
 <211> 928
 <212> DNA
 <213> Homo sapiens

<400> 24						
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<210> 25
 <211> 966
 <212> DNA
 <213> Homo sapiens

<400> 25						
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<210> 26
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<400> 26						
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<210> 27
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (337)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (359)
 <223> n equals a,t,g, or c

<400> 27						
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aaaaaaaaaa	aaaaaactcg	ag				802

<210> 28
 <211> 1169
 <212> DNA
 <213> Homo sapiens

<400> 28						
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<210> 29
 <211> 1466
 <212> DNA
 <213> Homo sapiens

<400> 29						
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<210> 30
 <211> 1226
 <212> DNA
 <213> Homo sapiens

<400> 30						
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ttgatttatt	gtggtccttg	tgcactcaaa	cctctctgct	aacattaatc	tgtatttgca	240
gccactccca	agccctatca	tcatcacctc	agctccacct	cagatcatca	agcattagat	300
tctcataggg	acatgcaacc	tagatcccta	acatgtgcag	tttacaatag	ggtttgact	360
cctatgataa	tctaagtgtg	ccactcatct	gacaggaggt	ggagctcagg	cagtaatgcg	420
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tgaattcttt	tggtactgta	cttcccctga	gaaaaattag	gaattttatt	tgccataaagc	780
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<210> 31
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 31						
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tattagagcg	tttccaatgt	cccatactt	ccttctcgag	tgctagtcaa	aagcgacttg	180
cagatgggtat	ggaatgtctt	tgtgagatag	aaagaacaca	gactaggatc	agaaaaatct	240
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aatagcccca	cacctacctg	ccaggattgt	cttcagaatt	acataaaaata	acacatacca	360
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ctttttggga	tgactaaagt	agcctaaata	aataagtatt	ccgcaatgca	tgacttgata	480
acataaaactt	ttgtaatact	ctattacctc	caagcataaa	acaattattg	agacaaaaga	540
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ttgatctgtg	gaatatattct	tgattcttct	tggaaattac	aaattaattc	aaatgattgt	1020

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aaaaaaaaaa	aaaa					1094

<210> 32
 <211> 1037
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)
 <223> n equals a,t,g, or c

<400> 32						
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agaaacaagt	tcttctgtaa	cgggaggatc	atgatggccc	ggcagacggg	cgtcttctac	180
ctgacgctcg	tcctcatcct	ggtcactagc	ggactcttct	tcgccttcga	ctgtccgtac	240
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tccttagata	ttaaaacctt	tactaaagtt	tattacaacc	cattttgaag	atattaaaac	960
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aaaaaaaaaa	actcgag					1037

<210> 33
 <211> 1376
 <212> DNA
 <213> Homo sapiens

<400> 33						
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tagagcatat	ttacctggat	tttacttatt	tgctagcaaa	attccccctt	gtcacagaaa	1140

ccagggactc	ttcaggattt	gagatggcct	tgagtatttt	agttgataca	ttcttctgcc	1200
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ctgatgtggg	tcttacataa	atgaatgtct	gtataagaaa	atggactcct	ttttttaggg	1320
aaaaataaaa	gcaactatgg	gaaaaaaaaa	aaaaaaaaaa	aaaaaaagggc	ggccgc	1376

<210> 34
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (803)
 <223> n equals a,t,g, or c

<400> 34						
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gggaagggag	tccgagaacc	ctcttcgtgg	actcaacttc	ccaggcttct	gtccctgctg	180
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aataccaggc	tgctggtgac	tacattttgt	ggtttctttg	ttagttgata	tttatagttc	480
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aaaaaaaaaa	aaaactcgta					1220

<210> 35
 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (880)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1115)
 <223> n equals a,t,g, or c

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<400> 35
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cctccctccg tcttctctca ttcttccctc cctccctatt cctccattct tccctccctc 240
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tttaaaaaaa aaaaaaaaaa actcga 1346

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<210> 36
<211> 1026
<212> DNA
<213> Homo sapiens

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<400> 36
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atgagtagct gtctccagggt gcctctgtct ctgttatctt gccactgaa gggagagcac 360
ttaagccaat ttgcaggaga ccacagtttg ccagagggtca gagacagaaa tcaccactgc 420
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aacctaataa acacgccggt cctaaagttt gattccaaga ttatgacag aatcaggcaa 540
aactaaatta aaataaatc tgtgaaaact ggacaacctg aacataagtt gatttttcca 600
gagaccaaag aacaaatcat tgcacaaaca catacctttt caaactgaaa atgattccag 660
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atccttgagc agtatagtgg agaggtgact tctaagcaaa ttattagtag gaagtaagggt 780
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cccaaagctt ctcagatgtt ggaccagcaa ggcgatcaag tttgttggtt gtttggttat 960
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<210> 37
<211> 832
<212> DNA
<213> Homo sapiens

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<400> 37
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gctgttagtc tgttctccgt gtaaacatct caagatgatg cagctccatg gcaaaggatc 120

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gagcaatcctt	gtatttcctgc	tttaccaaac	tcttgcaatc	atgtatcctt	cattccactc	300
attcatcctg	attatgagaa	gtaggaagct	aaaacagacc	tctcttttcag	ttttgtgtca	360
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gggtgtgtctt	ttagcagaaa	agaaactgat	gggtgtctaga	acgttttata	tttctgtcag	480
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ttgtaattaa	gaaattacag	catttatcag	aaaatcattg	ctgttttcca	ttgtaatttg	780
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<210> 38
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 38						
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<210> 39
 <211> 1347
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (83)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (334)
 <223> n equals a,t,g, or c

<400> 39						
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 <211> 1467
 <212> DNA
 <213> Homo sapiens

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<210> 41
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 41						
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aaaaaaaaaa	aaaa					914

<210> 42
 <211> 1131
 <212> DNA
 <213> Homo sapiens

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<210> 43
 <211> 1333
 <212> DNA
 <213> Homo sapiens

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 <222> (411)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1264)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1319)
 <223> n equals a,t,g, or c

<400> 43

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aaaaaaaaaa	aaa					1333

<210> 44
 <211> 1004
 <212> DNA
 <213> Homo sapiens

<400> 44						
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<210> 45
 <211> 1494
 <212> DNA
 <213> Homo sapiens

<400> 45						
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<210> 46
 <211> 1166
 <212> DNA
 <213> Homo sapiens

<400> 46						
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<210> 47
 <211> 1536
 <212> DNA
 <213> Homo sapiens

<400> 47						
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<210> 48
 <211> 1038
 <212> DNA
 <213> Homo sapiens

<400> 48						
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gccttttaaa	ttagtacttt	ttgtcgtctt	gcttatttaa	attttggttaa	tttttagcaaa	240
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gattggtggt	gatatgtaca	gttttaaaat	gtataacctg	aaaatgaagg	ttaattttgc	600
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aaaaaaaaaa	aaaaaaaaaa					1038

<210> 49
 <211> 1176
 <212> DNA
 <213> Homo sapiens

<400> 49						
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actccttaac	tactatttgc	ttcattctct	acaaaggaaa	ctagagaagt	gggttgatgt	180

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gagatgctgc	ccaattctgg	aatcactaat	aaaagccaat	tagatcttta	catttggtga	660
aattttgtct	ttgacaacat	tactagttat	attattctgg	gtatcctttt	ccccatctgt	720
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<210> 50
 <211> 731
 <212> DNA
 <213> Homo sapiens

<400> 50						
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cacacaacag	tgccctccag	aagcagcccc	tcggaggcag	aggaaggaaa	atggggatgg	180
ctggggctct	ctccatectc	cttttctcct	tgccctcgca	tggttgccct	tcccctccaa	240
aacctccatt	cccctgctgc	cagccccctt	gccatagcct	gattttgggg	aggaggaagg	300
ggcgatttga	gggagaaggg	gagaaagctt	atggctgggt	ctggtttctt	cccttcccag	360
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gactccaacc	tcagggactc	gggtggcctg	cgctagcttc	ttttgatact	gaaaactttt	660
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<210> 51
 <211> 1437
 <212> DNA
 <213> Homo sapiens

<400> 51						
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ggcccccttcg	ggcccgcggc	tgcgcttccg	acggggcggc	cgggggctca	gagatccaag	180
tgcgcgcccct	ggcgggtccg	gaccaaggga	tcactgagat	tctgatgaac	agaccttctg	240
cccgcgaatgc	cttgggggaat	gtcttcgtca	gtgagctgct	ggaaactctg	gccagctgc	300
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gagggactca	raggctgccc	cgttgtctgg	gggtggccct	ggcgaaggag	ctcatcttca	660
cggggccgacg	actgagtggg	actgaggccc	acgtactggg	gctgggtgaat	cacgctgtgg	720
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gagtccttgg	atcattgggt	ctcagccctc	gacctctctc	agttatcagg	cactcattag	1320
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ataaactctg	gacatcggtt	gaaccagtgt	caggggtcag	actgcagatc	ccagtct	1437

<210> 52

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)

<223> n equals a,t,g, or c

<400> 52

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ggagagccat	ttgccacata	gactcaccag	tatttttttt	ttaatttttg	atccatttgg	180
aagttatttg	ggaacttggg	tgtttttccc	caaaagcaaa	ggcaattgcc	tcaacaccag	240
ttatcaaagg	atccctacag	atctattttc	cctgtagatc	tgaaatgctg	tcttcattgt	300
atcttttgct	gatgccccg	tacaaattta	caggtgagct	ccatcctcct	gtagcagcca	360
cctgcctact	gacagtccta	ctcgggtgtc	tgataggtgt	ctcaagtgat	ggatggatat	420
gacagtagag	tccttgattt	actgtcccat	ggccccctgt	catcttctct	ttcttgattg	480
atggtgccat	catctaccca	gttactttga	ccaaagcaat	gggagtcac	ctggattcct	540
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accagaccac	ttgtcaccat	tcctgtcact	tctacctctt	ttatcccaac	atcacctctt	660
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<210> 53

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 53

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ttccaccttc	ttgtggctgc	tggcattctt	tgcttgttgg	tcacatcact	cctatcttga	180
aggccagcat	cttcaaactc	gtttcttctt	cacatagcct	tctgtgtgtg	cagtgccttc	240
tacctctctc	ttataaagac	atttgtgatt	aaatggaggg	tttaggataa	tctcgtcaag	300
atccttaact	taatcacaac	tgcaaaaacc	tctttcccaa	ataaggtaac	attcacaggt	360

tccagggatt	aggacctatt	atcttttggt	agtattattc	agcctaccac	aatagctaaa	420
acaattctga	aaaagaagaa	taaagtgaga	gaaatcagtt	tatctgattt	cgatacttat	480
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agaatagagg	acccagaaat	agaccacac	aaaggagccc	aaattatttt	taaccaaggt	600
agaagacaat	ttattggagg	aaagacagcc	ttttcaacaa	atggtactat	aacaattaga	660
tatccatagg	caaaaaaaaa	aaaaagaatc	ttgatctaag	gtcacacct	tatataaaat	720
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caactactca	cgaggctgag	aagatcactt	aagctgagtt	gttcaagggt	ctaagttagct	960
acaatcgtgc	cactgcactc	cagcctaggt	gacagacaaa	gaccccatct	caaaaaaaaa	1020
aaaaaaaaaa	actcgta					1037

<210> 54
 <211> 1373
 <212> DNA
 <213> Homo sapiens

<400> 54						
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ctggaaaagt	ccctttgctg	tgarcsgctg	actctgagaa	gagctttgag	cagggctgga	300
aaccattttt	ctgcaacctt	ttctttcctg	gggtatgtct	gggtgcacac	aggctcccca	360
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aacaaaatcc	tcctccttac	ytctaattac	aaagaggaaa	aagtcactga	aaaaaaaaagt	540
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aacttcactc	ytacaaatat	acaaaaatta	gctaggcatg	atggcaggct	cctgtaatcc	900
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aggctgcagt	tagccatgat	tgtacctctg	tagccagcc	tgggtgacaa	agcaagagcc	1320
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<210> 55
 <211> 1347
 <212> DNA
 <213> Homo sapiens

<400> 55						
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ccatgttgca	agttcttcta	cagccccagt	tatgtggacg	agctgttaaa	ccaggatatgg	600
accatgtatg	tatactgatt	aattaaagaa	tgctagcatg	aagttaattt	tttcacatgt	660
gaaatatgga	aaaatacatt	gattttgtgaa	aaatatattt	aaatttagtat	aaaatatttta	720
atTTTTctag	gacctgttaa	tgaatttttaa	caataatctg	aggatgata	ttttgactat	780
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<210> 56
 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 56	
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tcaaagtgtg	gtttgcacac
tgatactttt	tttttcatag
tctgactcat	tgtctttatc
ttgaataaca	ctattcttca
ttttacgctg	ggtggagaac
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aaaaaaaaaa	aaaaattagc
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catggtctgt	tgtgggtttt
tgggcatagg	tggagtagca
cagtaatgga	aaatcatctg
caagatttct	taatgaagga
ttgtctttga	tcagtttgta
catgtacccg	gatgccaggc
gctgactcct	tgaaaagggt
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tgtgcacacc	tgtagttcca
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aa	

<210> 57
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (536)
 <223> n equals a,t,g, or c

<400> 57	
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ccttctcttc	tttcttcttc
tccttgtgga	gscawagggt
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ccagggttga	gggtggggcc
tctcctgtct	gtatcaatag
tgaaatggga	aatgcaaggt
tttttttgtt	gagatggagt
gtgggaagat	aatcttccct
cagctggact	cctctagatg
ttcttctgtt	ccttgggtct
atgagtacag	gatagggtgac
aatgcctgtt	cccattagggt
ccaccacctc	ttctaccag
tttactaccag	tattttcctg
twtattaaat	taatkaatga
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<210> 58
 <211> 1262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)
 <223> n equals a,t,g, or c

<400> 58
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 ttattttcatt tcctcccat acaaatttga tgagcaggta cacactttct ttaaaacatt 300
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 cc 1262

<210> 59
 <211> 1269
 <212> DNA
 <213> Homo sapiens

<400> 59
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 <212> DNA
 <213> Homo sapiens

<400> 60						
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<210> 61
 <211> 1112
 <212> DNA
 <213> Homo sapiens

<400> 61						
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gaaaagctgt	tcagattgtc	tgtaaatccg	tatggggatc	tttgcatagg	attttaaaagc	360
agccacacat	cttgtaaaaa	atgtataaga	ttaattttct	atgttaggac	catttgtttt	420
accaaatctc	atagagctcc	aatgtgtaaa	agaagacact	gatctaactc	ttgtgttaaa	480
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<210> 62
 <211> 1674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (734)
 <223> n equals a,t,g, or c

<400> 62						
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tgccagacac	aggcccttct	tggagcgtat	acatgttaag	aagggcaaca	cttagcccc	360
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<210> 63
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<400> 63						
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gcggtatgat	gaccacatag	aggcccaacc	tcttaaacac	atcaatacca	atgatcacat	300
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accttaccag	aagcttctcc	ggaacaattg	gccagaagcc	tagagtccag	aaaccagac	420
acatgcagta	agcaatttcc	agtttctcta	taatttagaa	gaggacacca	tgatatgtaa	480
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<210> 64
 <211> 1051
 <212> DNA
 <213> Homo sapiens

<400> 64						
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cttcaaactt	atcttcccc	actcttttat	catctacgag	aaattggggc	tcaaccactt	360
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aacaaccact	aaaataaaaag	aacaagaggt	tacaactaaa	aaaaaaaaaa	aaaaaactac	1020
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<210> 65
 <211> 1182
 <212> DNA
 <213> Homo sapiens

<400> 65						
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 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 66						
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<210> 67
 <211> 1105
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (797)
 <223> n equals a,t,g, or c

<400> 67						
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aaaaaaaaaa	aaaaagggcg	gccgc				1105

<210> 68
 <211> 1279
 <212> DNA
 <213> Homo sapiens

<400> 68						
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 71
 <211> 864
 <212> DNA
 <213> Homo sapiens

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tgggctgctg	gtgctacctg	cggctgcagc	gcatacagcca	gtcagaggac	gaggagagca	300
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<210> 72
 <211> 1217
 <212> DNA
 <213> Homo sapiens

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tgaaaaactc aacatcacta ctgtataaat tattttctag tctatctgtg tttattttta      180
aattcctttt actattctat acattgcaca ttgctctggg ggtaaaaatc cartataaac      240
cattagctca ttttattgac cattcttgta ttcagcaagt atcccaagta cagtggcca      300
taccttgaat tttttttcac tttttaagtg agatataatt tacataccat aacaacttag      360
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cattttatct ttattttttt tcagcagtg ggctctgcca tgttgcccag gctggctctg      480
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<210> 73
<211> 1717
<212> DNA
<213> Homo sapiens

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<220>
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<222> (712)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (721)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (903)
<223> n equals a,t,g, or c

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ctgcaccagg taagtctctg gccctcacgg ggtggagcta aggcaaagcc gccctctctc      660
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<210> 74
 <211> 1276
 <212> DNA
 <213> Homo sapiens

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<210> 75
 <211> 1144
 <212> DNA
 <213> Homo sapiens

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cgta						1144

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 <211> 918
 <212> DNA
 <213> Homo sapiens

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aacatttcac	cttgaagaagc	ctcttgcccc	cagcctcccc	tcgta		1065

<400>	78						
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caagagcagt	gtccttgggg	aaaaactaaa	cagggatgag	aaaggggtta	ggaataaaac		300
tytctcctag	agaccaggtc	agaatacata	atgggtttaa	cttcgcaata	aagtgacaag		360
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cagggcaaat	ccaagcactc	taactcctgg	ttccctgctc	tatccctcat	ccatgccacc		780
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ctccagaagc	acaaaacaga	acctggggagt	catccttgat	tcttgctatt	tcctcacctc		1080
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<220>  
<221> misc_feature  
<222> (332)  
<223> n equals a,t,g, or c
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<220>  
<221> misc_feature  
<222> (929)
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<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (943)

<223> n equals a,t,g, or c

<400> 79

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ccccgccccg	ccgagcagcc	gacgctcagg	cccgggaggc	ggcgtacccg	gagctgctgg	180
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cgctgggggc	cgtgcgcggc	cgctccgcgc	gggcgggcga	ggggctcgctg	tactccctga	300
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ccgtggcaca	gctcagtatg	gggtcaccaa	gttcagtgc	cttacagagg	aggarttcca	720
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agtcaagaac	caggcatgk	tggtcctgc	tgggctttct	cartcactgg	taacgtggag	900
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<210> 80

<211> 1247

<212> DNA

<213> Homo sapiens

<400> 80

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atccattagg	aggggggtgtg	gaaaggatgc	ccacgtggcc	actttttacaa	ctgctgtcct	180
gtcattttcc	ttccctactt	tgtgaaacgt	tcactttctg	ctccaaagat	gaagtgtcac	240
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wttttatatc	agaccttggt	cttggttaatt	agactttaca	tgaagtgagc	aactaagctt	360
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<210> 81

<211> 958

<212> DNA

<213> Homo sapiens

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<400> 81
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agtcaagaaa ctatggaaac caattcttga tattttgaac cattcacgaa gatagtttga      180
gtcatgagca tgctgttgtc tagagtgggc ggggatgact cattggagtg gatgcgctgc      240
tctgtacttg atttttttga gtctgaaatt agctttccag gctggggcag ggaggggagc      300
acaggtggga tcagtactgc cccaagcgg tggagctgtg gtggtggatc aaatactgct      360
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gtcgwtaaca ataattgatg tagtgaagat gatgatgatg tgggtaattc tggctacctt      480
attgggtcca agctccccac aattcgttgc acaaagcact ctacatacat tctctttagt      540
cctgatcaaa ccacctttca gagtaggatt tagtgctcta ttttaaagat gaaggagctc      600
gggctcagag agagatcgtt tagacacaca cacaactttg gaatgaaaca tttacagccg      660
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tgagtccagg agttctgggc tgtagtgcgc tatgccgac ggggtgtccgc actaagtttg      780
gcatcaatat ggtgacctcc cgggagtggg ggaccaccag gttgcctaag gaggggtgaa      840
ccggtccagg tyggaatgaa acatttacia aaattgacat ttccttatgc atagatat      900
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<210> 82
<211> 1392
<212> DNA
<213> Homo sapiens

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<400> 82
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cagatgtctc tatgattaat ttttggcctg tcactcatgt ttgcatatgg ctggtgtggc      180
tccaagcatt ggaagcaaga ggacagggaa gcaacattga ctgtaccagg aactccaaaa      240
cagtcttcac atcttaattg ttggacaatg ccaaattggtc actcttttct ggaagttgac      300
tggggacaag atagtggtaa ggattagatt tggccagaaa gttcttgcca cagttagctt      360
tcctgtctaa atccttattt taactgttgt cacttaatat tcacactttg gaaggacatc      420
tactgttggg tacaattatg aaaccaactt gaatactttt tagttgaaca tttcagtagt      480
cttaattatg tttaaatagg tttcacaatt tactgttttt agtttagttt ccggctcccc      540
ccaaccccc aacttttgyt gagagttact ctcttaactt ttgctagaaa gtagcaaagt      600
tctctactct acatgttcag ggctggctgt agaatttcgt tttttaagga aacaggaaga      660
cagaactaat tatgcaagtc ttcatttagc tttttaaaaa aacagcttta ttgagttaga      720
attgacatgc agtaaattgg acatatttaa agcgtacaat ttgttaagtt ttgacataag      780
tatacattgt gaaaacatca gtcaccacaa tcaggatact tattttaaaa aacaacttta      840
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<210> 83
<211> 1155
<212> DNA
<213> Homo sapiens

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<400> 83
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cctaacaatg tagacgcttc agaacatata ccctttgtta atcgatgcat cactgtatat      120

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atgtgtgtat	atacacacat	atatgtacat	atatttaata	catttgtgta	tgtgtgtgta	180
tatatatata	tataacttct	tcattattta	tactctagac	ccagagcctc	ctagctggtc	240
tccaaaattg	gactctcatc	tctctttgag	acagccttca	aatgatcggt	tttaaagtgc	300
taattaactc	ctcttctcaa	aatgcttcaa	tggcccacta	atctctaccg	aatcaaggaa	360
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aaaaaaaaaa	aaaaa					1155

<210> 84
 <211> 1373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (877)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (897)
 <223> n equals a,t,g, or c

<400> 84						
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<210> 85
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 85

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<210> 86
 <211> 1318
 <212> DNA
 <213> Homo sapiens

<400> 86

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gtgtgctgtg	ctttttaccc	agctctagga	gggagatgtt	tgtgggtacc	agggttttgt	180
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<210> 87
 <211> 978
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (977)
 <223> n equals a,t,g, or c

<400> 87

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<210> 88
 <211> 1863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (82)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (112)
 <223> n equals a,t,g, or c

<400> 88

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<210> 89

<211> 2086

<212> DNA

<213> Homo sapiens

<400> 89

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aagaactagt	atggaaacag	cacttgccct	tgagaagcta	ttccccaaac	aatgccaaagt	300
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gtagaatgat	tttcaagttt	gaatttctgt	wcaaatatct	aaataagaga	tgtgcagaga	1980
gcaccaattt	tccttcaata	tccattcttt	acttttcaca	taatgataga	acctttgatt	2040

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2086

<210> 90

<211> 891

<212> DNA

<213> Homo sapiens

<400> 90

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cccactgttg	tgaattatga	tgttatcttt	taacttcaca	tggatgggtt	gggtttctct	180
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caggctcaga	atgtcacgga	gagagtcgcc	tggcaggcct	cttcgttggtg	gggtgagagg	300
gaacatgggt	gccagaaccc	cagtgccaac	cgctgactat	ccttctccct	acaggacatt	360
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acctcttcat	cacattgact	tacgccgttg	cttttccaga	ctgggcagag	gggctgactt	720
cgcagtgtgt	gccaaagarc	cgggtgtctga	taatcccat	ttcctgctta	tcacctgaac	780
tgtgtcagta	tcacttttag	ttttgttggg	tgggtgggtt	gttgtttgtt	taatatgcc	840
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<210> 91

<211> 1974

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (654)

<223> n equals a,t,g, or c

<400> 91

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cagtcaattt	tggtataaat	aacacatgcc	tagagcactc	agattaaatt	attacacata	300
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ctgtaaatag	aaacttcaga	gtcagtttca	aaaaacaaga	gatggacata	aggacatgtg	1920
cttatgagta	ggggacaaat	aactagagac	aaaaaaaaaa	aaaaaaaaact	cgta	1974

<210> 92
 <211> 1423
 <212> DNA
 <213> Homo sapiens

<400> 92						
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<210> 93
 <211> 1365
 <212> DNA
 <213> Homo sapiens

<400> 93						
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<210> 94
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 94						
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<210> 95
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (479)
 <223> n equals a,t,g, or c

<400> 95						
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<210> 96
 <211> 928
 <212> DNA
 <213> Homo sapiens

<400> 96						
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<210> 97
 <211> 1715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (40)
 <223> n equals a,t,g, or c

<400> 97						
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ctaagacttt	aataatttta	caagggaaaa	agcctttttt	tttytttgat	atacagtttt	240
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaac	tcgta			1715

<210> 98
 <211> 678
 <212> DNA
 <213> Homo sapiens

<400> 98						
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taaagctgta	caaacatcag	ataatcaata	tttgtaagga	tcgataatat	aatttataat	240
gaaattgctt	tatcagctat	taatgttaac	tacatcatct	tcatatagcc	ttataactca	300
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ttgcaaatat	gttttttctc	attcatttta	ctatgggtgt	ttattttttg	gttatacaga	480
agttgtatat	tgaaatataa	tcttgttctg	ttttatgact	ttggagtttt	gtgggtttttt	540
aaaacatggt	tacattggta	tcattttattt	gtattgcctt	ctatttcagc	agttagtttg	600
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aaaaaaaaaa	aaaaaaaaaa					678

<210> 99
 <211> 1541
 <212> DNA
 <213> Homo sapiens

<400> 99						
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<210> 100
 <211> 881
 <212> DNA
 <213> Homo sapiens

<400> 100						
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<210> 101
 <211> 947
 <212> DNA
 <213> Homo sapiens

<400> 101						
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<210> 102
 <211> 1369
 <212> DNA
 <213> Homo sapiens

<400> 102
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<210> 103
 <211> 1231
 <212> DNA
 <213> Homo sapiens

<400> 103
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 gtcaattttcc tgggtatgcaa tgtggcttta ttttttttgt tatttaaatt gtttagccaa 180
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<210> 104
 <211> 1242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (288)
 <223> n equals a,t,g, or c

<400> 104

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<210> 105
 <211> 1151
 <212> DNA
 <213> Homo sapiens

<400> 105

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<210> 106
 <211> 1628
 <212> DNA
 <213> Homo sapiens

<400> 106						
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aactcccaaa	aattctgtaa	cggggccctt	gagcccctat	gcttggtgct	attcccaaac	180
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gcagtgttgc	ccacttagca	atgaggagcg	catattttcc	tgcatatatca	ccaaaacaat	420
gttatcatct	tttattttatt	attatttttt	tgagtcaggg	ccttgccctg	tcacccaggg	480
tggagtgcag	tgacgcagtc	tcagctcact	gcaacctctg	cctgtcaggc	tgaggtggga	540
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acagaaaata	attagctgga	tgtggtgatg	catgcctgta	gtcccagcta	ytcaggagac	660
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actcgtag						1628

<210> 107
 <211> 1465
 <212> DNA
 <213> Homo sapiens

<400> 107						
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ataaatataa	taattgagag	gtctgcatta	gatgtggcag	ggagaacaag	caaaaagaga	180
tttcagagaa	gatcactgga	attggcagag	gccttgaagg	gcagagtcta	gcatacagaa	240
gatgtaaagc	cacattctgt	gaaggtaagt	agatgtgttt	acctcttttg	cactgtactg	300
gtgcattatg	gggtaaatrt	gtattacttt	tcctgtattg	cttagcacag	agttttgcct	360
atagcaggca	ccagactgtg	ggcttggtag	tacatgacta	ttggtgatta	cagatcaaaa	420
aggacttgaa	atgatcagtt	taaggctctg	atgggtattg	aagactcaaa	ggatgatggc	480
accctgggag	tgatccacag	aaggacagat	tatttgaaag	tgtaataaac	taaagacaac	540
atggatgtta	aatgatgaaa	aaaagttgga	tggaaaaata	accattggat	ctgcytctgg	600
agtccaagaa	gaatattatt	cttccctacc	cccccttact	ctggctcttc	ctattgtagc	660
cacatgggtc	agtaattgca	ttgaaaaaca	aaattttaga	ctaagtgggg	tcgcagaaat	720
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tgcagttcaa	taaatatTTT	tttaaataaa	aattagcctg	tggtagaagt	tgaaatggag	960
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gaaatattaa	aacttgaaa	tactaagact	tgatgatgaa	ctagatgtgt	tagataagag	1260
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<210> 108
 <211> 1265
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (766)
 <223> n equals a,t,g, or c

<400> 108						
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atagccatgg	acgtgatgga	acgctgcac	cacttggtgt	cagataaaaa	tctgcaaatc	180
cgcctgaagg	tcttggtgtg	gctggatctg	tgtgtgggtg	ttcttcagtc	ccacaaaaac	240
cagctgcttc	ccttggtcca	tcaggcctgg	ccctcgctcg	ttcaccgact	cacacgggac	300
gcccccttg	cagtgccttag	agccttcaag	ttttacgtac	cctgggaagc	aagtgtgggtg	360
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aattacaaga	ggctgccagg	agcgtcttcc	tcacttgat	gaagggtggac	ccagactcca	660
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cagcagagaa	ggtgaattag	ttagccaatc	gatttataaa	ttgatcgatc	acacaactgc	960
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aagtgacatt	gtctggtggc	tctaagggtt	taacccttta	gcctaccatc	tctatagccc	1080
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tcgag						1265

<210> 109
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<400> 109						
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ctatagtgat	aggcgtttat	acatttcccc	tttgagccat	ttctttatga	acagtgggtc	180
ttctgctcaa	agtgttctgt	ctcattctta	tgtttctcaa	atcttcttta	aaaatgtaag	240
caaataattt	taaagaattt	ttatgttttc	caaaattagg	attttagact	ttagggattt	300
tgatctttgg	ggatttcaac	attcgggatt	atgggtgttca	gtgtgtattt	tggggggatt	360

atgatcagca	tcccatacag	tggaatatca	tttggcaata	aaaaggaatt	aaatattgat	420
tcatgctaca	acatggtgaa	cctaaaaaac	attatgttca	gtgaaagaag	ccaaacctaa	480
aaggcctacg	tactgtgtgg	ttaaattggt	aaaatggtga	atztatcaca	atcaaaacca	540
ataaacctct	acaggaaaaa	ataaggacaa	agaaaggctg	ttccctatta	atggagacta	600
aagagacatg	acaactaaat	gcagtttatg	attgtggatt	acatccttga	tcagggtgaa	660
aatagctata	aaggaaatta	ttgggacaat	ttgctaaaat	ttgaaaatgg	actggatttg	720
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aaatacaaaa	attagatggg	cgtggtggtg	tgcattctgta	atctcagcta	ctcgggaggc	900
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<210> 110
 <211> 1453
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (946)
 <223> n equals a,t,g, or c

<400> 110						
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ctgaaaataa	taagctgaaa	atattcctct	ttggcataag	gattat	tttgctat	180
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aataagatgc	taaattaata	gataaggtgg	gtttcctcag	tatat	ttctaaacca	420
tccactaaag	tagggctaaa	gaggaattta	gagtaggaag	acttaggttt	tgtattctgc	480
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ccatctgggc	taacatgggt	accccatct	ctactaaaaa	tacaanacaa	attagccggg	960
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aaagggcggc	cgc					1453

<210> 111
 <211> 1552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1035)
 <223> n equals a,t,g, or c

<400> 111

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cagcaatcga	tgtggtagct	ctttgcccct	ctcggacagc	aggaattagc	ttccccaggc	300
atthttctgta	tgtgagttgt	attgtgggat	gtacaaatat	catctgttcc	tttgggtttc	360
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<210> 112

<211> 1489

<212> DNA

<213> Homo sapiens

<400> 112

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gaagatagca	catattatcg	gatattattg	tgtgaaaatg	ctgcttttac	tttgatgtga	1380
tctcattgat	gtacacaacc	aagttccaat	aaagtgtctag	aatgtgaaaa	aaaaaaaaaa	1440

aaaactgcga ggggggggacc cgtaacccta atcgacctta atgagtgtta

1489

<210> 113
<211> 607
<212> DNA
<213> Homo sapiens

<400> 113
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gtaactagcc tctggtcctt tttagagatt cacagtttgg tgcaaaccct ttggatgtat 180
tatttgggaa aatgggatat ctggcagcct gtgtccctgc tttacattat cctttttgct 240
gcctgcccc aacctcctcat tagcatccct gccaaaggcca gtggagaagg atggagatgc 300
ggtgacattc agctgacagt tgtcacagat tgataatagc taacagcaca tctctcccc 360
ggctccttcc ctagtgcacc aattagccca gcctcatctg cacctgggac tcaagttgcc 420
taaacatatt tcatttccca tagcagaaga tgccatccat ctagagttag actgaaaata 480
caaacaattc agaagttgtg actttccatg ctctgcacac agaggctacc aaatgctaag 540
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cctgccc 607

<210> 114
<211> 1498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (895)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (915)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (936)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1017)
<223> n equals a,t,g, or c

<400> 114
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gcaacttaga gaaatgtgct agtaaaagtt ctacaacagg atatacaact tctgtctcag 180
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gtagcgttcc atcttctctt tctoctaata ctcccttacc gagtacttcc cgtgggacag 300
gtaactcagt tgaccccaag agcagtggaa gtaaaagatac acaaccacgg aaggctacct 360
taaaatccag aaaatccaat ccttaaatca actgcttgat gaaggaggca aaacaaaggc 420

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atgttaaact	tttcatat	caaattagat	tccctaggag	gtataatata	tatttcttga	600
gtaataatgt	ggttacggaa	ttccaatgtt	atagtgaagt	gtaatgaaaa	acatctctag	660
gaatgtgctt	taaccactgc	tgcaaaagar	acaagctctg	atttatttgt	gcaggaaacc	720
accatttaat	tgttctagar	tttttagcatt	taaaaatcgt	atgaaagtct	acatcagctg	780
aattgtccta	ncttgataag	cacttggagg	gggacttggg	aggtagagaa	gatactgcat	840
tttctcatga	gtctccaagc	ccacttga	agtcacactg	aaaggatgca	aatancctgc	900
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aattttgtgaa	tgcatatgta	tgtgtgggta	ctttttataa	tgtgaaataa	tgaataatga	1440
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<210> 115

<211> 1797

<212> DNA

<213> Homo sapiens

<400> 115

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gaattttttt	attaactagt	acttacatat	taaataaaaat	ttattattgg	ctaaaaaaaa	1740
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<210> 116

<211> 952

<212> DNA
<213> Homo sapiens

<400> 116
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tagccatttt ccaggaattt aaaaggagcc attttttaaa tgtcaataat aatttattgg 180
ttattatttt ttaagcactt attatgggtg cttattatag gcatggtaaa agcacttcat 240
ccacattatt taaatctcag aatctatgag tttggtgaga tcaactgcagt ttacagagg 300
aaaaaacagg gcagagagaa cggtaatttc ctcaagttct cactcttgct acttaataga 360
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agagttaagg tgggggatgg ggcttgaaga cttgatagga ttagggttgg gagtgtcaac 480
tcggagatcc acagtcaggc ggaaggaacc cacaaggca ggaatgcaca cagcatgctc 540
agaggagatg gaacctgaaa atagagagaa ttagcaagta gtgccattg gatggagtaa 600
agagccatac ctagaagggt atcactgggt aacctgata agagttttgg cctggtgctg 660
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gcctgggcga cagagcgaga tccgtctcaa aaaaaaaaaa aaaaaactcg ag 952

<210> 117
<211> 1185
<212> DNA
<213> Homo sapiens

<400> 117
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ggaacacagc catggccatt cacttccata tcatccaatg gctgcttttg tgctacaatt 180
gccaccatgc ccagtggggc ctgtggcaca caactgcaga agtgagtggg tgtggcagaa 240
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<210> 118
<211> 1098
<212> DNA
<213> Homo sapiens

<400> 118
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ctgttgaaga acgctctgca gagagcagta gagagggggc agttagaaca gataactggc 180
aaaggtgctt cggggacatt ccaggaactc cgacccacct ggtgcagagg agtcttgtct 240

tgacctgctt	tgggagagt	ttgtcttgat	gcttttctct	tcctccttgg	aaaacagctg	300
aagaaatcag	gggagaaacc	cctgcttgg	ggaagcctga	tggaatatgc	aatcttgtct	360
gccattgctg	ccatgaatga	gccgaagacc	tgctctacca	ctgctctgaa	gaagtatgtc	420
ctagagaatc	accaggaac	caattctaac	tatcaaattgc	atttgctgaa	aaaaaccctg	480
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accagtgcga	gaaaggaagt	aaaattgccg	ggcaagggca	aatccaccat	gaagaagtct	960
ttcagagtga	aaaagtaaat	tttataggaa	aaaagggtat	catgatgaaa	ttcaaaatct	1020
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aaaaaaaaag	gcggccgc					1098

<210> 119
 <211> 805
 <212> DNA
 <213> Homo sapiens

<400> 119						
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catgccctta	aagcagagct	aactgatgat	taatatatgc	ttctatgtta	acagtcttgg	360
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ccacttaaaa	aaaaaaaaaa	aaaaa				805

<210> 120
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)
 <223> n equals a,t,g, or c

<400> 120						
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gcaccttcag	cgaggacagc	aaagggcgtc	tacagagacc	agccatatgg	cagatactga	660
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aatTTTTTtc	tatgaacaat	ccctTTTTta	ataaatcaaa	atgcttaaaa	tctgaatgga	780
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aataactttg	attaactagt	gttaaacaaa	aaatagggtt	actaaatctc	gtgccgaatt	960
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<210> 121
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 121						
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<210> 122
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<400> 122						
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<210> 123

<211> 1675

<212> DNA

<213> Homo sapiens

<400> 123

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<210> 124

<211> 1064

<212> DNA

<213> Homo sapiens

<400> 124

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<212> DNA

<213> Homo sapiens

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<211> 1037

<212> DNA

<213> Homo sapiens

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cacagaagat aggaggtttg acttgggtggg ccataatgtt tattatcctt tttgaaataa 300
caggggaccag cagcagtttt ctcaggataa atgctctacc ccacttctct atgaacaggt 360
gtggggaggc ttactttcca ttttcatatt tatacacctc tctacaaaag caatttttaa 420
tgaaggtagg tggaattgtt aaaaatctga gaggggaatga tgactggagg tgttttgggg 480
tttttttctg tattcatttt ttaatgagaa aagtttttaa tgtagtacag gtttagacca 540
actactacct tactattata ggacgattct atgtttctgt taaagtattc aagtagcttt 600
ctctggggga aaaagtacca cttggacact taaaggaatt gggatttttg tctacttttg 660
ataaggcagt tgacttctta agtaaaagca atagtgtaaa atgtcatttt gtttggaatg 720
ttaagttagc aaataaaaaa catgttgaaa ttgtaaaaaa aaaaaaaaaa aaaaaa 776

<210> 133
<211> 1543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1055)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1143)
<223> n equals a,t,g, or c

<400> 133

cttcgccgctc	atccgcttcg	aaagcatcat	ccacgagttc	gacccgtggg	ttactatag	60
atcaacacat	catcttgc	ctcatgggtt	ctatgaattt	ttaaattggg	ttgatgaaag	120
agcatgggtat	ccactaggaa	gaatagtagg	tggtactgtt	tacccagggt	tgatgataac	180
cgctggcctt	attcattgga	ttttaaatat	attgaacata	actgttcaca	taagagacgt	240
atgtgtgttc	cttgcaccaa	cttttagcgg	ccttacatct	atatctactt	tcctgcttac	300
aagagaactt	tggaaccaag	gagcaggact	tttagctgct	tgttttattg	ctattgtacc	360
aggctacata	tctcggtcag	tagctggatc	ctttgataat	gaaggcattg	ctatttttgc	420
acttcagttc	acatactatt	tatgggtaaa	atctgtaaaa	actgggtcag	ttttttggac	480
aatgtgtgtc	tgcttatcct	atctctatat	gggtctctgt	tggggtgggt	atgtatttat	540
catcaatctt	attccactgc	atgtattttg	gttggtactg	atgcagagat	acagcaaaag	600
agtctacata	gcataatagc	ctttctacat	tgtgggttta	atattatcaa	tgcatatacc	660
ttttgtggga	ttccagccaa	tcagaacaag	tgaacacatg	gcagctgcag	gtgtctttgc	720
attgctgcaa	gcttatgctt	tcttgcagta	tctgagagac	cgattaacaa	aacaagagtt	780
ccagaccctt	ttcttttttg	gtgtatcact	agctgcagg	gctgtgttcc	ttagtgtcat	840
ctatttgact	tatacagggt	acattgcacc	atggagtggc	agggtttatt	cattgtggga	900
tactgggtat	gcaaaaatac	acattccaat	tattgcatca	gtgtctgagc	atcaacctac	960
gacttgggtg	tctttcttct	ttgatctaca	tattcttcta	tgtaccttcc	cagcaggcct	1020
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actactttga	tatggaatag	ttatttttct	ttttgagatt	atttacttta	aatttttggt	1140
tttctatggt	tgactctata	tattcaagat	aaattttctc	ctttattttg	cataggtgct	1200
taaccaagaa	aaattcactg	agaggctggg	catggtggca	cacgcctkta	atcccagcac	1260
tttgggaggc	cgaggcgggc	ggatcacctg	aggctcaggag	ttcgagacca	gcctggccaa	1320
catggtgaaa	ccttgtctct	actaaaaata	caaaaattat	ccgaacatgg	tggtgcatgc	1380
ctgtaatccc	agctactcag	gaggctgagg	caggataatt	gcttgaacct	gggaggcgga	1440
ggttgcagtg	agtcaagatc	aagccactgc	actccaccct	gggaatcaga	gcgggactct	1500
gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaagggcggc	cgc		1543

<210> 134
 <211> 2157
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (309)
 <223> n equals a,t,g, or c

<400> 134						
caaaaaggac	cgccattga	agatgccatt	gcttcttccg	atgttcttga	gactgcttct	60
aaatctgcta	atccacccca	cacgattcaa	gcatacagaag	agcagagttc	aaccccagca	120
ccggtgaaaa	agtctggcaa	gctgaggcag	caaatagatg	tgaaggcgga	actggagaag	180
cggcaaggag	ggaagcagct	actcaactta	gtgggtcattg	gtcatgttga	tgctgggaaa	240
agtactctga	tgggccatat	gctttatctt	ctgggtaata	taaacaaaag	aactatgcat	300
aagtatganc	aggagtctaa	aaaggctggc	aaagcttcgt	ttgcatatgc	atgggtcttg	360
gatgaaactg	gcgaagaaa	ggaaagggga	gtaaccatgg	atgttggtat	gacaaagttt	420
gaaaccacaa	ccaaagttaa	tacattaatg	gatgtccag	gccataagga	cttcattcca	480
aatatgatta	caggagcagc	ccaggcggat	gtagctgttt	tagttgtaga	tgccagcagg	540
ggagagtttg	aagctggatt	tgagactgga	ggacaaacac	gagagcatgg	actcttggtc	600
cgttctctgg	gagtgcagca	gcttgcagtt	gcagtttaata	aaatggatca	ggttaattgg	660
caacaagaaa	ggtttcaaga	gattactgga	aaacttgggc	actttcttaa	gcaagcagg	720
tttaaggaga	gtgatgtagg	ttttattcct	acaagtggtc	tcagtgggtga	aaatctaata	780
acaagatctc	agtcaagtga	actcacaata	tggtataaag	gactatgttt	attagaacaa	840
attgattcct	ttaagcctcc	ccagcgatct	attgacaaac	cttttagatt	atgtgtgtcc	900
gatgttttca	aagatcaagg	atctggattt	tgcataactg	gtaaaataga	agctgggtat	960
atccaaaactg	gtgaccgact	actggcaatg	cctcctaata	aaacttgtac	cgtgaaagga	1020
atcactctgc	atgatgaacc	tgtcgactgg	gcggcagcag	gcgatcatgt	tagtcttact	1080
ttggttggga	tggatatcat	caaaatcaat	gttggttgca	tattttgtgg	cccaaagta	1140
ccattaaaag	cttgcactcg	tttcagagcc	cgaatcctca	tctttaatat	tgaaattcct	1200
atcactaaaag	gatttctctg	gctgttacac	taccaaactg	tcagtgaacc	cgccgttatt	1260

aaacgattga	ttagtgctct	aaacaaaagc	acgggtgaag	tcacaaagaa	aaagcctaag	1320
tttttgacta	aaggccagaa	tgcatgtgta	gagctacaga	cacaaagacc	aatagctctt	1380
gagctatata	aagactttta	agagctgggg	aggttcatgc	tacgttacgg	tggttctaca	1440
atagctgctg	gtgttgtcac	tgagataaaa	gaatgatggg	tcmgaatttc	taccacgttt	1500
ctggatacag	tgaaatagct	aacctctgty	tcaagaatgc	agttattaag	tcaaaggaac	1560
aatgtgcaat	tgatatgttt	ttagatgaga	gagaaaaatt	aaagctaaaa	ttagctgcaa	1620
agaagtatta	ataatcacct	ctgcaaaaat	tctaagttgc	caactggcaa	agraagtcta	1680
atgttaaaaa	caactttgcc	tttgaamcgt	taataaatgg	atttactttg	ctaagattta	1740
tggcaagtgt	caaaaatagt	atctgaagat	actgaatcat	catgaaatga	actctacttc	1800
tggccaaaagc	acaatgtatt	tgcatgtttc	tcttttgatt	caattatact	gcacatgttt	1860
taaggaaaaag	taacttaatt	gggtttttca	ggcagttgat	atttgacctt	agcttttttt	1920
tttttttttt	ttccagttaa	tgctaagaaa	agatttgggg	aagggtataa	taaaagtatt	1980
ttgtggtgac	cataagaatg	tccctcccca	aacaagtaaa	cttgtgaaag	tttaatttgg	2040
aattagtgga	agctgttcc	ttgaaagcca	agatattatt	taagttgtaa	agccagctaa	2100
taaaatgcct	tagtttgagc	ataaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	actcgag	2157

<210> 135
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 135						
ggcacgagag	agagcagagc	tatacatagc	tatccaggtc	taacttcacg	aagaatagaa	60
tggtttcttt	tcattttcaa	tgtacatcat	actttgtcag	actttttttt	cagttgcagc	120
tcttcgttgg	actggtgata	gtattggctt	tattaatctc	tcattctctc	acttattcat	180
tccacaaaca	tttgtagaag	gccaccaagc	tctagggaga	ggaaaatggg	tttataaatt	240
agtgtcttct	gggataaagg	aaattttata	tctgtactac	ttaatagtag	ccactagcca	300
catgtggttt	tcgaacaaga	tttccatcac	ctctccaacc	actttctcct	cattgggtcag	360
atctagaccc	cgagaaactg	ttcctttcat	tgttttctcc	gccttctaca	aactgagata	420

<210> 136
 <211> 946
 <212> DNA
 <213> Homo sapiens

<400> 136						
ggcacgagtg	agattgcatc	cagacagagt	tttaaaagtt	tcccggttga	gtttaatgta	60
cagttgaagt	tgagacatga	atctctgcat	gtaggggaaa	ttttgtgtct	ggttagtcaa	120
gaaactatgg	aaaccaattc	ttgatatttt	gaaccattca	cgaagatagt	ttgagtcatg	180
agcatgctgt	tgtctagagt	gggcggggat	gactcattgg	agtggatgcg	ctgctctgta	240
cttgattttt	ttgagtctga	aattagcttt	ccaggctggg	gcagggaggg	gagcacaggt	300
gggatcagta	ctgcccccaa	gcggtggagc	tgtggtggtg	gatcaatact	gctgccgcct	360
gtctgcacaa	acatattttc	ctcttccagc	ccttcagaag	tgtattggaa	tatgtcgata	420
acaataatga	tggtagtga	gatgatgatg	atgtgggtaa	ttctggctac	cttattgggt	480
ccaagctccc	cacaattcgt	tgacaaaagc	actctacata	cattctcttt	agtccctgatc	540
aaaccacctt	tcagagtagg	atttagtgtc	ctatttttaa	gatgaaggag	ctcgggctca	600
gagagagatc	gtttagacac	acacacaact	ttggaatgaa	acatttacag	ccgggcgcgg	660
tggcgcgtgc	ctgtagtccc	agctacttgg	gaggctgagg	ctggaggatc	gcttgagtcc	720
aggagtcttg	ggctgtagtg	cgctatgcgc	atcgggtgtc	cgcactaagt	ttggcatcaa	780
tatggtgacc	tcccgggagt	ggaggaccac	cagggtgcct	aaggaggggt	gaaccgggtcc	840
aggtcggaat	gaaacattta	caaaaattga	catttcctta	tgcatagata	tttactaggt	900
tccttaaaac	ccacgtgaat	ctgtgattaa	aaaaaaaaaa	aaaaaa		946

<210> 137
 <211> 1258
 <212> DNA
 <213> Homo sapiens

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<400> 137
aaccctcact aaaggaaca aaagctggag ctccaccgcg gtggcgccg ctggctgacc 60
ggcctaaaac taaaatgaca ttattccct agctacaaac atcagcggtta ttatgttaat 120
tataccttgc cctctatcat tataaatggg tgccatgggtg tttctaaaaa taagtgtttt 180
accattaatg tgtagagggc aaacaaagca taaagtacta agggatcatg cttatcctag 240
gggtcacag aagagaggac atatttaatt aatcttgtga attacagaac aggttgtggg 300
ccagacacca agaatcatag gggttttttt ttaaaaaacc taatagaagt aggggtgacct 360
ctctcttttg tctaagagtt cttaaaggaag gtaggcattt gtttaattag ttggttcacc 420
ctggctttac ctctgggtta tgcttgtgtt aataggaagg aaaaatcact ttatcttttc 480
ttccaagccc ctccctgcct gacttaccca gactgggatt accagatacc aggtgattta 540
tgtggagatg atttttcacc tttaaactct aagccaagtg taagaaactc ttgatagcta 600
tgtctatttt atatcagtca ctgagacttt tttttaagtt tttattttatt attaagacaa 660
ctttgccaaa aaagtcccct aagcacaact atttacattt ctttatagcc tcttctgatc 720
tctaacacat atgcagtttt aactgttatt ttcatagtaa ctgatctttt gtctaaggat 780
ttttacctga aagcacaatg tattgagtct cttgaaaatc atctttcaga tctttttaca 840
gaatgaactt atgcactgct actgtagtat tctcaaggaa tatatgtaa cacaaatgta 900
tgcttgaggt tggtttttgc agaaaacagt ctctgcttct aaaaacttct atgtctagtc 960
ttccatagga aatcctcact gttaaccat gtgaggagcc taagtcatta aacggatcat 1020
gtctgtacat tgtgtaatga atgaaaagca cataaatgta atctactttg aactttgtaa 1080
aaatgatgtg tggaggctat tcttgtttct ccattctcaag tcctgtgtgt gcacgtgtgt 1140
gcaagtgcac atgtgtgtgt gtaataacac attgtaaaga acagaaatta ctttaaaaaa 1200
taaacagaaa tggagacctg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1258

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<210> 138
<211> 1598
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1067)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (1069)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1577)
<223> n equals a,t,g, or c

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<400> 138
aggaaagaac aaaggttatt tcctggagaa aagacaattt attcaacacc aacragggac 60
tcatcatatg ggcacaactc tgggtgtcct ctatggagaa aacctcaagt aaagttttat 120
tctgcctttr aaaatgcttc caaaagtaga ccctgtcccc acacagggtca agactacaga 180
gaaggctttg tagaaatgtg tcacctatgt acacctgcta cttacacatt tcctcttttg 240
gaaaaatgag atacttagaa taacargaaa attaagacat actggcctgg tgccagcaga 300
tggcttttct atagacaaac taggttagtg tggaaatat aggttaaaat aaactatgct 360
gttttatttt tcttcccaac ctgattggca gctagacttt tttagggtct catttaatgg 420
ccctgttttt ttcatatta tatttaatga tagggcagga tttcgtatgc aagctcttgt 480
ttctcaggct gcctgcagaa gaagtcgcta taaattatct gttgtctaca tgggtacaagg 540
cccattgact catctgatgc ttgttttggt aatttcttta atatttttat cacggggcag 600
tgggagggct tgggctttta gccacagctg ttttaagact tctgatctcc tgccctgcag 660
gaataggttg gaagtcattg aatttttaca ctatagtaa ttgcattccc acataagttt 720
gagtgttacg aaacattcc tttaaaggga tctgtgtac acaaaatatg ccaggacctc 780
acagacaaag ccattgctag aaatgtcatt ccaatgatca gatctggaaa caggctgcca 840

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taaccacttt	tccttcttgt	agactcagct	cacctgtata	tttaaactgt	tcttggcatc	900
ttgaaacacc	tatttctact	caggtactca	ttgtcctggt	actgattcac	ctttctgac	960
cttttcaacc	agttttcccc	caagggggga	aattttactt	aacctctagt	atttgaacaa	1020
ctcaatat	gaattgttgc	cccatttgct	tttacctgta	ctgtatnct	ggtcattctca	1080
aatggcgct	aaaccagct	actttgcatt	ccagaagttt	ccattccctc	caattccacc	1140
taatttttca	tctgtcctag	ttactggctc	tttcttcatg	tcttatttct	cttgctttgg	1200
gagcttaaaa	gattttacaa	gacctaat	tgggttcctt	ccttgaggcc	atagttaccc	1260
tgccaagaag	agtagaaaat	gggttcaact	cctgtttcgc	tccaccaaca	cctctgtgag	1320
tctcatcatc	agctgagcga	tgatgcctta	caggttgcac	agcactggaa	ctttcctaga	1380
gtaacggctc	tgctgccagg	gtttctctgg	gtcattctt	ccactgactt	aattatgac	1440
tatgcctaac	agagccccag	tacaactatt	ttgcagaatg	gctgttacc	tagaattact	1500
atagcacata	ttgagatata	gttgactcc	ctagtagata	ggaactgacc	ccaacaataa	1560
actttgataa	taaaganaaa	aaaaaaaaa	actcgtag			1598

<210> 139

<211> 182

<212> PRT

<213> Homo sapiens

<400> 139

Met	Leu	Leu	Leu	Cys	His	Ala	Leu	Ala	Ile	Ala	Val	Val	Gln	Ile	Val
1				5					10					15	
Ile	Phe	Ser	Glu	Ser	Trp	Ala	Phe	Ala	Lys	Asn	Ile	Asn	Phe	Tyr	Asn
			20					25					30		
Val	Arg	Pro	Pro	Leu	Asp	Pro	Thr	Pro	Phe	Pro	Asn	Ser	Phe	Lys	Cys
		35					40					45			
Phe	Thr	Cys	Glu	Asn	Ala	Gly	Asp	Asn	Tyr	Asn	Cys	Asn	Arg	Trp	Ala
	50					55					60				
Glu	Asp	Lys	Trp	Cys	Pro	Gln	Asn	Thr	Gln	Tyr	Cys	Leu	Thr	Val	His
	65					70				75					80
His	Phe	Thr	Ser	His	Gly	Arg	Ser	Thr	Ser	Ile	Thr	Lys	Lys	Cys	Ala
				85					90					95	
Ser	Arg	Ser	Glu	Cys	His	Phe	Val	Gly	Cys	His	His	Ser	Arg	Asp	Ser
			100					105					110		
Glu	His	Thr	Glu	Cys	Arg	Ser	Cys	Cys	Glu	Gly	Met	Ile	Cys	Asn	Val
		115					120					125			
Glu	Leu	Pro	Thr	Asn	His	Thr	Asn	Ala	Val	Phe	Ala	Val	Met	His	Ala
	130						135				140				
Gln	Arg	Thr	Ser	Gly	Ser	Ser	Ala	Pro	Thr	Leu	Tyr	Leu	Thr	Ser	Ala
145					150					155					160
Cys	Leu	Gly	Leu	Cys	Ala	Ser	Ile	Ala	Val	Met	Pro	Pro	Phe	Leu	Gly
				165					170					175	
Glu	Ala	Glu	Thr	Ser	Leu										
					180										

<210> 140

<211> 334

<212> PRT
 <213> Homo sapiens

<400> 140

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Met Phe Gln Cys Gly Leu Leu Gln Gln Leu Cys Thr Ile Leu Met Ala
 1           5           10           15

Thr Gly Val Pro Ala Asp Ile Leu Thr Glu Thr Ile Asn Thr Val Ser
          20           25           30

Glu Val Ile Arg Gly Cys Gln Val Asn Gln Asp Tyr Phe Ala Ser Val
 35           40           45

Asn Ala Pro Ser Asn Pro Pro Arg Pro Ala Ile Val Val Leu Leu Met
 50           55           60

Ser Met Val Asn Glu Arg Gln Pro Phe Val Leu Arg Cys Ala Val Leu
 65           70           75           80

Tyr Cys Phe Gln Cys Phe Leu Tyr Lys Asn Gln Lys Gly Gln Gly Glu
          85           90           95

Ile Val Ser Thr Leu Leu Pro Ser Thr Ile Asp Ala Thr Gly Asn Ser
          100          105          110

Val Ser Ala Gly Gln Leu Leu Cys Gly Gly Leu Phe Ser Thr Asp Ser
          115          120          125

Leu Ser Asn Trp Cys Ala Ala Val Ala Leu Ala His Ala Leu Gln Glu
          130          135          140

Asn Ala Thr Gln Lys Glu Gln Leu Leu Arg Val Gln Leu Ala Thr Ser
          145          150          155          160

Ile Gly Asn Pro Pro Val Ser Leu Leu Gln Gln Cys Thr Asn Ile Leu
          165          170          175

Ser Gln Gly Ser Lys Ile Gln Thr Arg Val Gly Leu Leu Met Leu Leu
          180          185          190

Cys Thr Trp Leu Ser Asn Cys Pro Ile Ala Val Thr His Phe Leu His
          195          200          205

Asn Ser Ala Asn Val Pro Phe Leu Thr Gly Gln Ile Ala Glu Asn Leu
          210          215          220

Gly Glu Glu Glu Gln Leu Val Gln Gly Leu Cys Ala Leu Leu Leu Gly
          225          230          235          240

Ile Ser Ile Tyr Phe Asn Asp Asn Ser Leu Glu Ser Tyr Met Lys Glu
          245          250          255

Lys Leu Lys Gln Leu Ile Glu Lys Arg Ile Gly Lys Glu Asn Phe Ile
          260          265          270

Glu Lys Leu Gly Phe Ile Ser Lys His Glu Leu Tyr Ser Arg Ala Ser
          275          280          285

Gln Lys Pro Gln Pro Asn Phe Pro Ser Pro Glu Tyr Met Ile Phe Asp
          290          295          300

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His Glu Phe Thr Lys Leu Val Lys Glu Leu Glu Gly Val Ile Thr Lys
 305 310 315 320

Ala Ile Tyr Lys Ser Ser Glu Glu Asp Lys Lys Lys Lys Lys
 325 330

<210> 141
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Thr Val Ala Ser Ile Arg His Ile Leu Val Glu Ile Trp Leu Pro
 1 5 10 15

Ile Ala Leu Ala Met Gly Thr Arg Gly Leu Thr Gln Ile Val Ala Val
 20 25 30

Ile Gln Ser Arg Ser Gln Trp Ala Leu Ser
 35 40

<210> 142
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Leu Phe Ile Phe Leu Leu Leu Ile Leu Ser Ile Thr Ala Ser Tyr
 1 5 10 15

Ser Leu Thr Cys Ile Leu Ser Gly Ala Gly Glu Pro Ser Ser Val Ser
 20 25 30

Ala Ser Val Val Ser Gly Pro Gly Phe Cys Leu Ala Ala Leu Leu Leu
 35 40 45

Met Arg Thr Gly Gly Phe Ala Ala Thr Leu Leu Pro Val Ala Pro Thr
 50 55 60

Glu Arg Phe Phe Ser Cys Cys Thr Val Leu Ser Ala Gln Arg Asn Val
 65 70 75 80

Ser Arg Thr Arg Ser Pro
 85

<210> 143
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 143
 Met Leu Ser Thr Arg Trp Met Gly Leu His Leu Val Gln Ile Leu Trp
 1 5 10 15

Arg Cys Trp Thr Ser Ser Ala Thr Ile Thr Ser Arg Lys Leu Ser Thr
 20 25 30

Ala Leu Arg Ser Pro Val Leu Ser Gly Thr Gln Thr Ser Arg Ser Ser
35 40 45

Gly Asp Ser Gly Trp Ser Met Lys Thr Ser Val Lys Ala Thr Pro His
50 55 60

Gln Met Ser Leu Arg Ser Gly Lys Glu Thr Pro Ser Ala Asp Ile Pro
65 70 75 80

Arg Ile His His Gln Leu Val Arg Leu Arg His Gln Ala His Gly Gly
85 90 95

Trp Ser Pro His Gly Val Pro Glu Gln Gly Thr Met Pro Leu Val Leu
100 105 110

Pro Pro Val Ser Cys Asp Ile Gln Pro
115 120

<210> 144

<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 144

Met Ala Asn Thr Gly Val Phe Gly Phe Ser Phe Leu Leu Leu Thr Val
1 5 10 15

Ala Leu Leu Ala Ser Tyr Ser Val His Leu Leu Leu Ser Met Cys Ile
20 25 30

Gln Thr Ala Val Thr Ser Tyr Glu Asp Leu Gly Leu Phe Ala Phe Gly
35 40 45

Leu Pro Gly Lys Leu Val Val Ala Gly Thr Ile Ile Ile Gln Asn Ile
50 55 60

Gly Ala Met Ser Ser Tyr Leu Leu Ile Ile Lys Thr Glu Leu Pro Ala
65 70 75 80

Ala Ile Ala Glu Phe Leu Thr Gly Asp Tyr Ser Arg Tyr Trp Tyr Leu
85 90 95

Asp Gly Gln Thr Leu Leu Ile Ile Ile Cys Val Gly Ile Val Phe Pro
100 105 110

Leu Ala Leu Leu Pro Lys Ile Gly Phe Leu Gly Tyr Thr Ser Ser Leu
115 120 125

Ser Phe Xaa Phe Met Met Phe Phe Ala Leu Val Val Ile Ile Lys Lys
130 135 140

Trp Ser Ile Pro Cys Pro Leu Thr Leu Asn Tyr Val Glu Lys Gly Phe
145 150 155 160

Gln Ile Ser Asn Val Thr Asp Asp Cys Lys Pro Lys Leu Phe His Phe
 165 170 175
 Ser Lys Glu Ser Ala Tyr Ala Leu Pro Thr Met Ala Phe Ser Phe Leu
 180 185 190
 Cys His Thr Ser Ile Leu Pro Ile Tyr Cys Glu Leu Gln Ser Pro Ser
 195 200 205
 Lys Lys Arg Met Gln Asn Val Thr Asn Thr Ala Ile Ala Leu Ser Phe
 210 215 220
 Leu Ile Tyr Phe Ile Ser Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Gly
 225 230 235 240
 Ser His Ser Val Ala Gln Val Gly Val Gln Trp Cys Asp Leu Ser Ser
 245 250 255
 Leu Gln Pro Leu Pro Pro Gly Leu Lys Gln Ser Ser His Leu Ser Leu
 260 265 270
 Gln Ser Ser
 275

<210> 145
 <211> 194
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 145
 Met Lys Leu Ala Ser Gly Phe Leu Val Leu Trp Leu Ser Leu Gly Gly
 1 5 10 15
 Gly Leu Ala Gln Ser Asp Thr Ser Pro Asp Thr Glu Glu Ser Tyr Ser
 20 25 30
 Asp Trp Gly Leu Arg His Leu Arg Gly Ser Phe Glu Ser Val Asn Ser
 35 40 45
 Tyr Phe Asp Ser Phe Leu Glu Leu Leu Gly Gly Lys Asn Gly Val Cys
 50 55 60
 Gln Tyr Arg Cys Arg Tyr Gly Lys Ala Pro Met Pro Arg Pro Gly Tyr
 65 70 75 80
 Lys Pro Gln Glu Pro Asn Gly Cys Gly Ser Tyr Phe Leu Gly Leu Lys
 85 90 95
 Val Pro Glu Ser Met Asp Leu Gly Ile Pro Ala Met Thr Lys Cys Cys
 100 105 110
 Asn Gln Leu Asp Val Cys Tyr Asp Thr Cys Gly Ala Asn Lys Tyr Arg
 115 120 125

Cys Asp Ala Lys Phe Arg Trp Cys Leu Xaa Ser Ile Cys Ser Asp Leu
 130 135 140
 Lys Arg Ser Leu Gly Phe Val Ser Lys Val Glu Ala Cys Asp Ser Leu
 145 150 155 160
 Val Asp Thr Val Phe Asn Thr Val Trp Thr Leu Gly Cys Arg Pro Phe
 165 170 175
 Met Asn Ser Gln Arg Ala Ala Cys Ile Cys Ala Glu Glu Glu Lys Glu
 180 185 190
 Glu Leu

<210> 146
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 146
 Met Leu Arg Gly Thr Met Thr Ala Trp Arg Gly Met Arg Pro Glu Val
 1 5 10 15
 Thr Leu Ala Cys Leu Leu Leu Ala Thr Ala Gly Cys Phe Ala Asp Leu
 20 25 30
 Asn Glu Val Pro Gln Val Thr Val Gln Pro Ala Ser Thr Val Gln Lys
 35 40 45
 Pro Gly Gly Thr Val Ile Leu Gly Cys Val Val Glu Pro Pro Arg Met
 50 55 60
 Asn Val Thr Trp Arg Leu Asn Gly Lys Glu Leu Asn Gly Ser Asp Asp
 65 70 75 80
 Ala Leu Gly Val Leu Ile Thr His Gly Thr Leu Val Ile Thr Ala Leu
 85 90 95
 Asn Asn His Thr Val Gly Arg Tyr Gln Cys Val Ala Arg Met Pro Ala
 100 105 110
 Gly Ala Val Ala Thr Cys Gln Pro Leu
 115 120

<210> 147
 <211> 266
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val
 1 5 10 15
 Ile Trp Thr Ser Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala Val Thr
 20 25 30

Leu His His Ile Asp Pro Ala Leu Pro Tyr Ile Ser Asp Thr Gly Thr
 35 40 45
 Val Ala Pro Glu Lys Cys Leu Phe Gly Ala Met Leu Asn Ile Ala Ala
 50 55 60
 Val Leu Cys Ile Ala Thr Ile Tyr Val Arg Tyr Lys Gln Val His Ala
 65 70 75 80
 Leu Ser Pro Glu Glu Asn Val Ile Ile Lys Leu Asn Lys Ala Gly Leu
 85 90 95
 Val Leu Gly Ile Leu Ser Cys Leu Gly Leu Ser Ile Val Ala Asn Phe
 100 105 110
 Gln Lys Thr Thr Leu Phe Ala Ala His Val Ser Gly Ala Val Leu Thr
 115 120 125
 Phe Gly Met Gly Ser Leu Tyr Met Phe Val Gln Thr Ile Leu Ser Tyr
 130 135 140
 Gln Met Gln Pro Lys Ile His Gly Lys Gln Val Phe Trp Ile Arg Leu
 145 150 155 160
 Leu Leu Val Ile Trp Cys Gly Val Ser Ala Leu Ser Met Leu Thr Cys
 165 170 175
 Ser Ser Val Leu His Ser Gly Asn Phe Gly Thr Asp Leu Glu Gln Lys
 180 185 190
 Leu His Trp Asn Pro Glu Asp Lys Gly Tyr Val Leu His Met Ile Thr
 195 200 205
 Thr Ala Ala Glu Trp Ser Met Ser Phe Ser Phe Phe Gly Phe Phe Leu
 210 215 220
 Thr Tyr Ile Arg Asp Phe Gln Lys Ile Ser Leu Arg Val Glu Ala Asn
 225 230 235 240
 Leu His Gly Leu Thr Leu Tyr Asp Thr Ala Pro Cys Pro Ile Asn Asn
 245 250 255
 Glu Arg Thr Arg Leu Leu Ser Arg Asp Ile
 260 265

<210> 148

<211> 91

<212> PRT

<213> Homo sapiens

<400> 148

Met Leu Cys His Pro His Val His His His Leu Val Cys Leu Leu Ala
 1 5 10 15
 Thr Leu Thr Phe Ser Leu Asn Ala Ser Cys Ala Glu Gln Thr Phe His
 20 25 30
 Ser Gln Gln Ser Asn Gly Glu Phe Met Ala Thr Leu Pro Ser Ile Ser
 35 40 45

Lys Gln Phe Gly Val Ile Val Trp Lys Pro Gln Arg Lys Asp Val Ile
 50 55 60
 Arg Leu Pro Val Ala Leu Ser Phe Ser Met Gly Leu Gly Leu Leu Ser
 65 70 75 80
 Pro Ala Leu Gly Arg Phe Leu Ala Ser Glu Leu
 85 90

<210> 149
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 149
 Met Ala Ile Leu Leu Ala Cys Phe Thr Ala Val Leu Ala Phe Ile Cys
 1 5 10 15
 Leu Gln Phe Trp Cys Val Arg Cys His Glu Pro Arg Trp Ser Tyr Arg
 20 25 30
 Ala Gly His Met Glu Glu Ala Asn Gly Leu Val Arg Trp Pro Glu Glu
 35 40 45
 Ala Pro Asp Leu Gly Gln Arg Glu Glu Asp Leu Gln Gly Leu Pro Leu
 50 55 60
 Val Glu Met Pro Arg Lys Asn Ser Arg Asp Gly Ala Glu Leu Asp Pro
 65 70 75 80
 Glu Ala Asn Gln Asp Ala Pro Asp Ala Gly Ala Leu Gln Arg Gly Gly
 85 90 95
 Gly Asp Pro Pro Ala Ile Leu Pro His Cys Gly Glu
 100 105

<210> 150
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 150
 Met Leu Leu Arg Val Phe His Phe Phe Leu His Ile Leu His Lys Lys
 1 5 10 15
 Gln Thr Gly Val Ser Leu Leu Tyr Leu Leu Thr Leu Phe Leu Leu
 20 25 30
 Gln Gln Gln Val Ile Pro Gln Pro Ser Leu Pro Leu Leu His Leu Val
 35 40 45
 Ser Phe Gln Ile Cys His Tyr Pro Phe Pro Gln Trp Met Leu Gln Tyr
 50 55 60
 Arg Gln Ala Lys Met Val Leu Gly Thr Arg Cys Gln Met Ser Leu Met
 65 70 75 80

His Phe Gln Asn Ser Gln Asn
85

<210> 151

<211> 73

<212> PRT

<213> Homo sapiens

<400> 151

Met Ser Arg Val Val Ser Leu Phe Phe Phe Ile Leu Phe Ser Phe Phe
1 5 10 15

Phe Phe Ala Phe Ser Leu Ser Ser Ser Leu Ser Phe Val His Tyr Glu
20 25 30

Lys Leu Val Gln Val Lys Glu Cys Leu Asp Ser Phe Leu Lys Lys Ile
35 40 45

Lys Ile Lys Glu Tyr Lys Thr Arg Gln Cys Tyr His Leu Ile Arg Trp
50 55 60

Glu Asn Asn Gly Ala Lys Leu Gln Ser
65 70

<210> 152

<211> 71

<212> PRT

<213> Homo sapiens

<400> 152

Met Ser Ala Ser Leu Lys Asn His Leu Thr His Cys Phe Leu Leu Leu
1 5 10 15

Leu Leu Lys Glu Leu Val Ser Pro Thr Met Ile Ser Phe Val Pro Thr
20 25 30

Leu Arg His Ser Tyr Arg Phe Phe Asn Leu Phe Ser Cys Asp Ala Glu
35 40 45

Ser Thr Lys Glu Ser Pro Gly Arg Thr Val Gln Phe Ser Lys Thr Pro
50 55 60

Arg Gly Val Thr Met Phe Ile
65 70

<210> 153

<211> 151

<212> PRT

<213> Homo sapiens

<400> 153

Met Lys Tyr Gly Leu Thr Gly Pro Trp Ile Lys Arg Leu Leu Pro Val
1 5 10 15

Ile Phe Leu Val Gln Ala Ser Gly Met Asn Val Tyr Met Ser Arg Ser
20 25 30

Leu Glu Ser Ile Lys Gly Ile Ala Val Met Asp Lys Glu Gly Asn Val
 35 40 45
 Leu Gly His Ser Arg Ile Ala Gly Thr Lys Ala Val Arg Glu Thr Leu
 50 55 60
 Ala Ser Arg Ile Val Leu Phe Gly Thr Ser Ala Leu Ile Pro Glu Val
 65 70 75 80
 Phe Thr Tyr Phe Phe Lys Arg Thr Gln Tyr Phe Arg Lys Asn Pro Gly
 85 90 95
 Ser Leu Trp Ile Leu Lys Leu Ser Cys Thr Val Leu Ala Met Gly Leu
 100 105 110
 Met Val Pro Phe Ser Phe Ser Ile Phe Pro Gln Ile Gly Gln Ile Gln
 115 120 125
 Tyr Cys Ser Leu Glu Glu Lys Ile Gln Ser Pro Thr Glu Glu Thr Glu
 130 135 140
 Ile Phe Tyr His Arg Gly Val
 145 150

<210> 154
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 154
 Met Leu Arg Val Ala Gly Val Leu Gln Phe Leu Pro Leu Ser Tyr Gly
 1 5 10 15
 Thr Lys Val Ala Ser Leu Trp Asn Thr Tyr Glu Asn Val Val Met Pro
 20 25 30
 Pro Ser Phe Thr Thr Thr Leu Val Leu Pro Leu Leu Ser His Glu Phe
 35 40 45
 Tyr Asn Tyr Ser Tyr Pro Phe Ala Cys Asp Gln Lys
 50 55 60

<210> 155
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> misc_feature
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>

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<221> misc_feature
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 155
Met His Arg Ser Glu Pro Phe Leu Lys Met Ser Leu Leu Ile Leu Leu
 1             5             10             15

Phe Leu Gly Leu Ala Glu Ala Cys Thr Pro Arg Glu Val Asn Leu Leu
      20             25             30

Lys Gly Ile Ile Gly Leu Met Ser Arg Leu Ser Pro Asp Glu Ile Leu
      35             40             45

Gly Leu Leu Ser Leu Gln Val Leu His Glu Glu Thr Ser Gly Cys Lys
      50             55             60

Glu Glu Val Lys Pro Phe Ser Gly Thr Thr Pro Ser Arg Lys Pro Leu
      65             70             75             80

Pro Lys Arg Glu Glu His Val Glu Xaa Pro Xaa Asn Ala Xaa Thr Trp
      85             90             95

Xaa Xaa Thr Tyr Leu Phe Val Ser Tyr Asn Lys Gly Asp Trp Phe Thr
      100            105            110

Phe Ser Ser Gln Val Leu Leu Pro Leu Leu
      115            120

<210> 156
<211> 54
<212> PRT
<213> Homo sapiens

<400> 156
Met Ser Pro Cys Ala His Ile Cys Leu Tyr Val Leu Val Phe Leu Cys
 1             5             10             15

Asn Val Thr Arg Cys Lys Cys Val Arg Ala Phe Thr Thr Trp Asp Thr
      20             25             30

Glu Lys Val Lys Tyr Phe Met Ala His Trp Ser Lys Leu Lys Arg Val
      35             40             45

Arg Gly Thr Arg Val Glu
      50

<210> 157

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<211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 157
 Met Phe Leu Ala Ser Trp Leu Leu Phe Cys Ile Val Ala Pro Lys Asp
 1 5 10 15
 Asp Ala His Leu Ser Phe Ile Gln Cys Lys Asp Ile Trp Lys Asp Asn
 20 25 30
 Arg Lys Tyr Ser Cys Phe His Phe Lys Ser Asp Gln Leu Leu Glu Leu
 35 40 45
 Ala Ser Lys Ala Cys Thr Ser Phe Gln Ala Gln Ser Arg Ser Phe Thr
 50 55 60
 Ala Gly Ala Val Pro Ser Glu His Pro Glu Leu Pro Cys Gly Ser Gln
 65 70 75 80
 Gln Leu Cys Cys Gly Cys Thr Ala Arg Leu Gly Gly Xaa Trp Ile Gly
 85 90 95
 Ala Ser Arg Cys Gly Ser Gly Ser Ala Phe Leu Ala Ser Pro
 100 105 110

<210> 158
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 158
 Met Ser Leu Gln Ala Ile Asp Leu Leu Trp Ser Leu Cys Thr Gln Thr
 1 5 10 15
 Ser Leu Leu Thr Leu Ile Cys Ile Cys Ser His Ser Gln Ala Leu Ser
 20 25 30
 Ser Ser Pro Gln Leu His Leu Arg Ser Ser Ser Ile Arg Phe Ser
 35 40 45

<210> 159
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 159
 Met Phe His Phe Gly Leu Trp Asp Leu His Phe Phe Leu Ile Val Met
 1 5 10 15
 Ala His Arg Asp Asp Cys Ser Phe Lys Gly Gly Cys Gly Leu Leu Glu
 20 25 30

Arg Phe Gln Cys Pro His Thr Ser Phe Ser Ser Ala Ser Gln Lys Arg
 35 40 45

Leu Ala Asp Gly Met Glu Cys Leu Cys Glu Ile Glu Arg Thr Gln Thr
 50 55 60

Arg Ile Arg Lys Ile Cys Leu Pro Thr Leu His Gly His Leu Leu Ala
 65 70 75 80

Val

<210> 160

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 160

Met Met Ala Arg Gln Thr Gly Val Phe Tyr Leu Thr Leu Val Leu Ile
 1 5 10 15

Leu Val Thr Ser Gly Leu Phe Phe Ala Phe Asp Cys Pro Tyr Leu Ala
 20 25 30

Val Lys Ile Thr Pro Ala Ile Pro Ala Val Ala Gly Ile Leu Phe Phe
 35 40 45

Phe Val Met Gly Thr Leu Leu Arg Thr Ser Phe Ser Asp Pro Gly Val
 50 55 60

Leu Pro Arg Ala Thr Pro Asp Glu Ala Ala Asp Leu Glu Arg Gln Ile
 65 70 75 80

Gly Asn Thr Glu Ser Leu Pro Met Ala Ser Gly His Phe Pro Pro Gly
 85 90 95

Pro Ser Tyr Ser Gly Glu Gly Arg Pro Arg Ala Xaa Gln Glu Glu Leu
 100 105 110

Xaa Ala Gly Lys Glu Gly Gly Gln Lys Ser Ala Phe Leu Ser Ser Leu
 115 120 125

Gly Gly Gln Asp Glu Leu Lys Lys Arg Cys Asp Ile Arg Leu Glu Gly
 130 135 140

Gln Val Ser Trp Arg Gln Asp Cys Arg Pro Thr
 145 150 155

<210> 161

<211> 294

<212> PRT

<213> Homo sapiens

<400> 161

Met Arg Leu Asp Lys Pro Ile Gly Thr Trp Leu Leu Tyr Leu Pro Cys
1 5 10 15

Thr Trp Ser Ile Gly Leu Ala Ala Glu Pro Gly Cys Phe Pro Asp Trp
20 25 30

Tyr Met Leu Ser Leu Phe Gly Thr Gly Ala Ile Leu Met Arg Gly Ala
35 40 45

Gly Cys Thr Ile Asn Asp Met Trp Asp Gln Asp Tyr Asp Lys Lys Val
50 55 60

Thr Arg Thr Ala Asn Arg Pro Ile Ala Ala Gly Asp Ile Ser Thr Phe
65 70 75 80

Gln Ser Phe Val Phe Leu Gly Gly Gln Leu Thr Leu Ala Leu Gly Val
85 90 95

Leu Leu Cys Leu Asn Tyr Tyr Ser Ile Ala Leu Gly Ala Gly Ser Leu
100 105 110

Leu Leu Val Ile Thr Tyr Pro Leu Met Lys Arg Ile Ser Tyr Trp Pro
115 120 125

Gln Leu Ala Leu Gly Leu Thr Phe Asn Trp Gly Ala Leu Leu Gly Trp
130 135 140

Ser Ala Ile Lys Gly Ser Cys Asp Pro Ser Val Cys Leu Pro Leu Tyr
145 150 155 160

Phe Ser Gly Val Met Trp Thr Leu Ile Tyr Asp Thr Ile Tyr Ala His
165 170 175

Gln Asp Lys Arg Asp Asp Val Leu Ile Gly Leu Lys Ser Thr Ala Leu
180 185 190

Arg Phe Gly Glu Asn Thr Lys Pro Trp Leu Ser Gly Phe Ser Val Ala
195 200 205

Met Leu Gly Ala Leu Ser Leu Val Gly Val Asn Ser Gly Gln Thr Ala
210 215 220

Pro Tyr Tyr Ala Ala Leu Gly Ala Val Gly Ala His Leu Thr His Gln
225 230 235 240

Ile Tyr Thr Leu Asp Ile His Arg Pro Glu Asp Cys Trp Asn Lys Phe
245 250 255

Ile Ser Asn Arg Thr Leu Gly Leu Ile Val Phe Leu Gly Ile Val Leu
260 265 270

Gly Asn Leu Trp Lys Glu Lys Lys Thr Asp Lys Thr Lys Lys Gly Ile
275 280 285

Glu Asn Lys Ile Glu Asn
290

<210> 162
<211> 59
<212> PRT
<213> Homo sapiens

<400> 162
Met Gly Pro Phe Leu Leu Val Phe Leu Phe Pro Ile Leu Arg Val Cys
1 5 10 15
Gly Ile Ile Arg Glu Pro Thr Gln Asp Trp Ser Val Leu Leu Glu Arg
20 25 30
Ala Arg Leu Thr Ala Pro Gly Gln Pro Pro Ala Leu Phe Pro Leu Glu
35 40 45
Ser Gly Pro Met Ala Thr Ala Gln Asn Thr Ser
50 55

<210> 163
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 163
Met Cys Ser His Ser Thr Leu Ile His Leu Tyr Leu Val Leu Pro Phe
1 5 10 15
Phe Phe Leu Phe Leu Pro Ser Ser Phe Pro Phe Pro Ser Xaa Ser Xaa
20 25 30

Ser Ser Ile Leu Pro Ser Leu Arg Leu Pro Pro Phe Phe Pro Pro Ser
 35 40 45
 Leu Phe Leu His Ser Ser Leu Pro Pro Ser Leu Ser His Pro Leu Gly
 50 55 60
 Leu Ser Ile Thr Ser Ser Arg Gln Ser Phe Leu Asp Tyr His His Leu
 65 70 75 80
 Cys Thr Lys His Leu Ser Xaa Thr Leu Cys Gly Leu Ile Tyr His Cys
 85 90 95
 Leu Asn Ile Phe Xaa Thr Arg Ala Val Met Trp His Met Gln Val Ser
 100 105 110
 Phe Leu Xaa Ile His Trp Leu Leu Pro
 115 120

<210> 164
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 164
 Met Ser Ile Tyr His Val Cys Leu Ile Leu Leu Leu Tyr Ile Thr Ser
 1 5 10 15
 His Ser His Gln Asn Met Ser Ser Cys Leu Gln Val Pro Leu Ser Leu
 20 25 30
 Leu Ser Cys Pro Leu Lys Gly Glu His Leu Ser Gln Phe Ala Gly Asp
 35 40 45
 His Ser Leu Pro Glu Val Arg Asp Arg Asn His His Cys Ile Leu Phe
 50 55 60
 Lys Glu Ser His Gln Lys Arg Lys
 65 70

<210> 165
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Leu Ala Asn Phe Thr Leu Phe Ile Leu Thr Leu Ile Ser Phe Leu
 1 5 10 15
 Leu Leu Val Cys Ser Pro Cys Lys His Leu Lys Met Met Gln Leu His
 20 25 30
 Gly Lys Gly Ser Gln Asp Leu Ser Thr Lys Val His Ile Lys Pro Leu
 35 40 45
 Gln Thr Val Ile Ser Phe Leu Met Leu Phe Ala Ile Tyr Phe Leu Cys
 50 55 60
 Ile Ile Thr Ser Thr Trp Asn Pro Arg Thr Gln Gln Ser Asn Leu Val

65		70		75		80									
Phe	Leu	Leu	Tyr	Gln	Thr	Leu	Ala	Ile	Met	Tyr	Pro	Ser	Phe	His	Ser
			85						90					95	
Phe	Ile	Leu	Ile	Met	Arg	Ser	Arg	Lys	Leu	Lys	Gln	Thr	Ser	Leu	Ser
		100						105					110		
Val	Leu	Cys	Gln	Val	Thr	Cys	Trp	Val	Lys						
		115					120								

<210> 166
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 166
Met Pro Gly Pro Cys Leu Ser Gln Gln His Pro Phe Leu Ser Leu Ser
1 5 10 15
Leu Phe Pro Phe Cys Leu Trp Ile Cys Leu Ala Arg Val Pro Gly Val
20 25 30
Arg Asn Ile Cys Lys Thr Gln Pro Ala Pro Ser Gln Pro Ser Leu Leu
35 40 45
Gly Leu Gly Leu Ser His Pro Ala Ala Gly Thr Thr Asp Ala Gly Thr
50 55 60
Gln Ser Leu Pro Arg Ser Gln His Lys Cys Thr Ser Ala Leu Trp Gly
65 70 75 80
Leu Cys Pro Ala Gln Arg Pro Leu Leu Leu Pro Ala His Ile His Ser
85 90 95
Ser Gly His Gly Ala Pro Gln Glu Leu Gln Ser His Leu Ser His Arg
100 105 110
Leu Pro Ala Ser Ala Ser Leu Ser Met Met Ser Pro Phe Ser Glu Ala
115 120 125
Trp Thr His Pro Ser Leu Ser Leu Gly Pro Ala Pro Ser His
130 135 140

<210> 167
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 167
Met Pro Gly Gly Thr Arg Cys Arg Val Leu Leu Leu Ser Leu Thr Phe
1 5 10 15

Gly Thr Ser Met Ala Cys Gly Asn Val Gly Leu Arg Leu Cys Pro Trp
 20 25 30
 Thr Trp His Asn Trp Leu Leu Pro Pro His Leu Cys Ser Xaa Trp Pro
 35 40 45
 Cys Arg Arg Cys Cys Trp Ala Ala Ala Thr Thr His Phe Ser Trp Pro
 50 55 60
 Pro Trp Val Arg Ser Ala Trp Gly Pro Pro Ala Ala Trp Leu Glu Ser
 65 70 75 80
 Ser Gly His Pro Leu Pro Ala Val Ala Ser Cys Ser Gln Pro Pro Ala
 85 90 95
 Ser Ala Asp Ser Ser Arg Phe Ser Lys Val Pro Cys Cys Arg Arg Arg
 100 105 110
 Gly Trp Thr Arg
 115

<210> 168
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 168
 Met Ser Val Cys Leu Pro Leu His Leu Pro Phe Leu Met Leu Ala Lys
 1 5 10 15
 Val Ala Thr Ser Phe Cys Arg Trp Gln Leu Thr Leu Phe Val Ser Thr
 20 25 30
 Phe Tyr Lys Asp Ala Leu Val His Thr Val Asn Asp Arg Asn Gln Glu
 35 40 45
 Ala Glu Leu Glu Ala Leu Lys Lys Ser Cys
 50 55

<210> 169
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 169
 Met Lys Ala Leu Met Leu Leu Thr Leu Ser Val Leu Leu Cys Trp Val
 1 5 10 15
 Ser Ala Asp Ile Arg Cys His Ser Cys Tyr Lys Val Pro Val Leu Gly
 20 25 30
 Cys Val Asp Arg Gln Ser Cys Arg Leu Glu Pro Gly Gln Gln Cys Leu
 35 40 45
 Thr Thr His Ala Tyr Leu Gly Lys Met Trp Val Phe Ser Asn Leu Arg
 50 55 60
 Cys Gly Thr Pro Glu Glu Pro Cys Gln Glu Ala Phe Asn Gln Thr Asn

65		70		75		80									
Arg	Lys	Leu	Gly	Leu	Thr	Tyr	Asn	Thr	Thr	Cys	Cys	Asn	Lys	Asp	Asn
				85					90					95	
Cys	Asn	Ser	Ala	Gly	Pro	Arg	Pro	Thr	Pro	Ala	Leu	Gly	Leu	Val	Phe
			100					105					110		
Leu	Thr	Ser	Leu	Ala	Gly	Leu	Gly	Leu	Trp	Leu	Leu	His			
		115					120					125			

<210> 170
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 170
Met Phe Leu Val Ala Val Trp Trp Arg Phe Gly Ile Leu Ser Ile Cys
1 5 10 15
Met Leu Cys Val Gly Leu Val Leu Gly Phe Leu Ile Ser Ser Val Thr
20 25 30
Phe Phe Thr Pro Leu Gly Asn Leu Lys Ile Phe His Asp Asp Gly Val
35 40 45
Phe Trp Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro Val Val Phe
50 55 60
Met Gly Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys Gly Ser His Trp
65 70 75 80
Ala Pro Ile Arg Trp Phe
85

<210> 171
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 171
Met Val Thr Gly Phe Phe Phe Ile Leu Met Thr Val Leu Trp Phe Xaa
1 5 10 15
Arg Glu Pro Gly Phe Val Pro Gly Trp Asp Ser Phe Phe Glu Lys Lys
20 25 30
Gly Tyr Arg Thr Asp Ala Thr Val Ser Val Phe Leu Gly Phe Leu Leu

35 40 45
 Phe Leu Ile Pro Ala Xaa Glu Ala Leu Leu Trp Glu Lys Glu
 50 55 60

<210> 172
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 172
 Met Ser Gln Leu Cys Phe Ser Leu Leu Leu Ser Ser Thr Cys His Gly
 1 5 10 15
 Gly Val Ala Ser Leu Leu Thr Ser Asp Leu Ser Ser Gln Ser His Arg
 20 25 30
 Phe Ser Ile Cys Thr Asn Val Asn His Ser Lys Tyr Ser Ser Leu
 35 40 45

<210> 173
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 173
 Met Leu Phe Ser Leu Arg Glu Leu Val Gln Trp Leu Gly Phe Ala Thr
 1 5 10 15
 Phe Glu Ile Phe Val His Leu Leu Ala Leu Leu Val Phe Ser Val Leu
 20 25 30
 Leu Ala Leu Arg Val Asp Gly Leu Val Pro Gly Leu Ser Trp Trp Asn
 35 40 45
 Val Phe Val Pro Phe Phe Ala Ala Asp Gly Leu Ser Thr Tyr Phe Thr
 50 55 60
 Thr Ile Val Ser Val Arg Leu Phe Gln Asp Gly Glu Lys Arg Leu Ala
 65 70 75 80
 Val Leu Arg Xaa Phe Trp Val Leu Thr Val Leu Ser Leu Lys Phe Val
 85 90 95
 Phe Glu Met Leu Leu Cys Gln Lys Leu Ala Glu Gln Thr Arg Glu Leu
 100 105 110
 Trp Phe Gly Leu Ile Thr Ser Pro Leu Phe Ile Leu Leu Gln Leu Leu
 115 120 125
 Met Ile Arg Ala Cys Arg Val Asn
 130 135

<210> 174
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 174
 Met Glu Leu Ser Phe Val Arg Arg Leu Leu Leu Phe Thr Phe Phe Phe
 1 5 10 15
 Ser Thr Phe Ser Pro Pro Pro Pro Thr Pro Cys Leu Glu Gly Leu Met
 20 25 30
 Ser Cys Leu Pro Ser Pro Leu Xaa Lys Asn Thr Ala Gly Ser Gln Thr
 35 40 45
 Lys Ser Leu Arg Glu Ile Gly Thr Gly Ile Ser Asp Thr His Val Ser
 50 55 60
 Pro Ser Pro Ala Gln Ala Pro Leu Cys Ser Arg Ser Pro Thr Trp Asp
 65 70 75 80
 Ser Ser Asp Pro Asn Ser Met Asp
 85

<210> 175
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Thr Met Val Met Glu Gln Val Tyr Leu Met Ser Phe Leu Leu Leu
 1 5 10 15
 Leu Leu Arg Thr Met Met Lys Ala His Trp Thr Tyr Thr Leu Gly Trp
 20 25 30
 Thr Val Leu Phe Leu Thr Ala Leu Pro Asn Pro Val Tyr His Gln Glu
 35 40 45
 Ile Val Trp Thr Tyr Met Lys Arg Ser
 50 55

<210> 176
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 176
 Met Asp Thr Asp Asn Gly Gly Arg His Phe Lys Pro Phe Lys Leu Val
 1 5 10 15
 Leu Phe Val Val Leu Leu Ile Lys Ile Leu Leu Ile Leu Ala Lys Thr

				20				25				30			
Asn	Cys	Cys	Asp	Lys	Leu	Val	Phe	Phe	Gly	Cys	Phe	Lys	His	Thr	Leu
				35				40				45			
Thr	Asn	Phe	Leu	Ile	Pro	Leu	Leu	Val	Pro	Pro	Ile	Val	Leu	Lys	
				50				55				60			

<400> 179

Met	Leu	Arg	Val	Leu	Cys	Leu	Leu	Arg	Pro	Trp	Arg	Pro	Leu	Arg	Ala	
1				5					10					15		
Arg	Gly	Cys	Ala	Ser	Asp	Gly	Ala	Ala	Gly	Gly	Ser	Glu	Ile	Gln	Val	
			20					25						30		
Arg	Ala	Leu	Ala	Gly	Pro	Asp	Gln	Gly	Ile	Thr	Glu	Ile	Leu	Met	Asn	
		35					40					45				
Arg	Pro	Ser	Ala	Arg	Asn	Ala	Leu	Gly	Asn	Val	Phe	Val	Ser	Glu	Leu	
	50					55					60					
Leu	Glu	Thr	Leu	Ala	Gln	Leu	Arg	Glu	Asp	Arg	Gln	Val	Arg	Val	Leu	
65					70					75					80	
Leu	Phe	Arg	Ser	Gly	Val	Lys	Gly	Val	Phe	Cys	Ala	Gly	Ala	Asp	Leu	
				85					90					95		
Lys	Glu	Arg	Glu	Gln	Met	Ser	Glu	Ala	Glu	Val	Gly	Val	Phe	Val	Gln	
			100					105					110			
Arg	Leu	Arg	Gly	Leu	Met	Asn	Asp	Ile	Ala	Ala	Phe	Pro	Ala	Pro	Thr	
		115					120					125				
Ile	Ala	Ala	Met	Asp	Gly	Phe	Ala	Leu	Gly	Gly	Gly	Leu	Glu	Leu	Ala	
	130					135					140					
Leu	Ala	Cys	Asp	Leu	Arg	Val	Ala	Ala	Ser	Ser	Ala	Val	Met	Gly	Leu	
145					150					155					160	
Ile	Glu	Thr	Thr	Arg	Gly	Leu	Leu	Pro	Gly	Ala	Gly	Gly	Thr	Gln	Arg	
				165					170					175		
Leu	Pro	Arg	Cys	Leu	Gly	Val	Ala	Leu	Ala	Lys	Glu	Leu	Ile	Phe	Thr	
			180					185					190			
Gly	Arg	Arg	Leu	Ser	Gly	Thr	Glu	Ala	His	Val	Leu	Gly	Leu	Val	Asn	
		195					200					205				
His	Ala	Val	Ala	Gln	Asn	Glu	Glu	Gly	Asp	Ala	Ala	Tyr	Gln	Arg	Ala	
	210					215					220					
Arg	Ala	Leu	Ala	Gln	Glu	Ile	Leu	Pro	Gln	Ala	Pro	Ile	Ala	Val	Arg	
225				230						235					240	
Leu	Gly	Lys	Val	Ala	Ile	Asp	Arg	Gly	Thr	Glu	Val	Asp	Ile	Ala	Ser	
			245						250					255		
Gly	Met	Ala	Ile	Glu	Gly	Met	Cys	Tyr	Ala	Gln	Asn	Ile	Pro	Thr	Arg	
		260					265					270				
Asp	Arg	Leu	Glu	Gly	Met	Ala	Ala	Phe	Arg	Glu	Lys	Arg	Thr	Pro	Lys	
		275					280					285				
Phe	Val	Gly	Lys													
		290														

<210> 180
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 180
 Met Leu Ser Ser Leu Tyr Leu Leu Leu Met Pro Pro Tyr Lys Phe Thr
 1 5 10 15
 Gly Glu Leu His Pro Pro Val Ala Ala Thr Cys Leu Leu Thr Val Leu
 20 25 30
 Leu Gly Cys Leu Ile Gly Val Ser Ser Asp Gly Trp Ile
 35 40 45

<210> 181
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Cys Ile Pro Glu Ala Leu Gly Lys Asn Ser Leu Phe Leu Ser Ser
 1 5 10 15
 Thr Phe Leu Trp Leu Leu Ala Phe Phe Gly Leu Trp Ser His His Ser
 20 25 30
 Tyr Leu Glu Gly Gln His Leu Gln Ile Cys Phe Phe Phe Thr
 35 40 45

<210> 182
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 182
 Met Thr Thr Ser Leu Phe Gly Leu Val Cys Val Val Cys Gln Gly Ala
 1 5 10 15
 Gly Val Ser Ala Phe Thr Gln Val Asn Leu Phe Ser Phe Ser Leu Val
 20 25 30
 Ile Val Lys Lys Gln Asn Lys Thr Ser Cys Glu Pro Phe Gly Thr Ser
 35 40 45
 Gly Lys Val Pro Leu Leu
 50

<210> 183
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Leu Ile Tyr Trp Leu Gln Ser Ser Phe Ile Leu Ser Ala Phe Val
 1 5 10 15

Leu Ile Asn Ser Pro Val Thr Thr Gly Ile Gln Lys Ser Cys Cys Lys
 20 25 30
 Phe Phe Pro Val Ser Ile Asn Leu Cys Phe Ala Ser Leu His Arg Met
 35 40 45
 Lys Val Val Thr Leu Val Ala Leu Gln Trp Leu Asn Ile Ala Leu Arg
 50 55 60
 Ser Ser
 65

<210> 184
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Val Cys Cys Gly Phe Phe Leu Leu Trp Ser Arg Val Arg Ser Tyr
 1 5 10 15
 Met Lys Leu Ser Gly His Arg Trp Ser Ser Ser Cys Pro His His Cys
 20 25 30
 Tyr Ser Lys Cys Gly Leu His Thr Ser Asn Gly Lys Ser Ser Val His
 35 40 45
 Thr Val
 50

<210> 185
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 185
 Met Leu Arg Cys Ser Phe Ser Ser Phe Leu Leu Cys His Thr Ile Leu
 1 5 10 15
 Leu Phe Leu Gly Ser Ser Ala His Leu Leu Val Glu Xaa Xaa Val Trp
 20 25 30
 Gly Leu Tyr Glu Tyr Arg Ile Gly Asp Met Val Asp Gln Lys Ala Thr

35 40 45
 Phe Cys Val Gln Lys Gln Glu Cys Leu Phe Pro Leu Gly Ser Trp Val
 50 55 60
 Xaa Arg Val Glu Gly Gly Ala Phe Ala Arg Glu Pro Pro Ser Ser Thr
 65 70 75 80
 Gln Tyr Phe Pro Val Ser Cys Leu Tyr Gln
 85 90

<210> 186
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 186
 Met Ser Ala Leu Leu Ser His His Val Pro Leu Phe Tyr Leu Thr Gly
 1 5 10 15
 Cys Leu Phe Ser Leu Leu Ala Ser Trp Asp Cys Asn Gly Lys Glu Gly
 20 25 30
 Ala Gly Arg Ala Ile Lys Gly Lys Asn Asn Thr Trp Asn Cys Met Ile
 35 40 45
 Leu Ser Lys Val Lys Phe
 50

<210> 187
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 187
 Met Val His Lys Ala Ile Leu Ala Leu Leu Pro Trp Gly Phe Ser Ala
 1 5 10 15
 Asp Glu Leu Leu Ala Ser Leu Met Met Xaa Leu Thr Glu Lys Tyr Gln
 20 25 30
 Asn Cys Ser Ser Thr Thr Asp Ile Xaa Asn Gln Gln Leu Arg Ser Leu
 35 40 45
 Gly Gln Asn Phe Met Phe Gln Gln Asn Leu Gln Leu Ile Leu Met
 50 55 60

<210> 188
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Met Thr Ser Ser Leu Gly Leu Ser Phe Leu Leu Asn Leu Ile Leu
 1 5 10 15
 Gly Met Lys Phe Thr Tyr Leu Ile Pro Gln Asn Lys Tyr Ile Gln Leu
 20 25 30
 Phe Thr Thr Ile Leu Ser Phe Phe Ser Gly Val Leu Ser Leu Leu Glu
 35 40 45
 Cys Lys Leu Ser Thr Ser Ser Cys Thr Cys Leu Asn Ile His Lys Ser
 50 55 60
 Asp Asn Glu Cys Lys Glu Ser Glu Asn Ser Ile Glu Asp Ile Ser Leu
 65 70 75 80
 Pro Glu Arg Thr Ala Met Pro Arg Ser Ile Val Arg Ala His Thr Val
 85 90 95
 Asn Ser Leu Asn Lys Lys Val Gln Thr Arg His Val Thr Trp Ala Leu
 100 105 110

<210> 189
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 189
 Met Leu His Leu Thr Leu Tyr Leu His Phe Ile Leu Phe Val Phe Pro
 1 5 10 15
 Ile Thr Ser Asn Phe Ser Ser Leu His Pro Phe Leu Phe Ile Ser Ser
 20 25 30
 Gln Phe Thr Ser Cys Cys Gln Ile Asn Phe Pro Asn Ala Gln Ala Leu
 35 40 45
 Ser Tyr His Glu Phe Leu Ile Ala Thr Tyr Asp
 50 55

<210> 190
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 190
 Met Pro Cys Ile Arg Gly Val Phe His Cys Phe Ile Leu Ile Ile Leu
 1 5 10 15
 Ile Leu Leu Ala Ser His Ala Phe Ser Gly Ser Gly Asn Gln Arg Leu

20 25 30
 Lys Glu Ala Leu Thr Leu Ile Val Ser Val Asn Val Asp Ile Ala Arg
 35 40 45

His Arg Pro Phe Leu Glu Arg Ile His Val Lys Lys Gly Asn Thr
 50 55 60

<210> 191
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 191
 Met Phe Ser Arg Leu His Phe Leu Thr His Ser Leu Ser Leu Leu His
 1 5 10 15

Leu Pro Ser Gln Val Phe Gly Glu Val His Ser Ser Cys Val Ser Ser
 20 25 30

Leu Pro Cys Pro Asp Thr Pro Ala Leu Pro Tyr Cys Pro Ser Phe Leu
 35 40 45

Arg Tyr Asp Asp His Ile Glu Ala Gln Pro Leu Lys His Ile Asn Thr
 50 55 60

Asn Asp His Ile Ser Ile
 65 70

<210> 192
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 192
 Met Tyr Val Arg Phe Phe Phe Arg Leu His Ser Ile Ser Ser His Pro
 1 5 10 15

Ser Gly Ile Val Ser Leu Cys Leu Leu Phe Glu Thr Leu Leu Gln Thr
 20 25 30

Tyr Leu Pro Gln Leu Phe Tyr His Leu Arg Glu Ile Gly Ala Gln Pro
 35 40 45

Leu Arg Ile Ser Phe Lys Trp Met Val Arg Ala Phe Ser Gly Tyr Leu
 50 55 60

Ala Thr Asp Gln Leu Leu Leu Leu Trp Asp Arg Ile Leu Gly Tyr Asn
 65 70 75 80

Ser Leu Glu Ile Leu Ala Val Leu Ala Ala Val Phe Ala Phe Arg
 85 90 95

Ala Val Asn Leu Met Glu Val Thr Ser Leu Ala Ala Ala Glu Asn Leu
 100 105 110

Ala Ala His Ser Glu Gln Phe Cys Thr Ala Pro Leu Phe Pro Glu Leu
 115 120 125

Tyr Arg Val Gln Ile Pro Val Leu Leu Asn Ser Gly Arg Lys Lys Ser
 130 135 140

Ala Val Tyr Trp Thr Pro Ile Ser Phe Asn Arg Thr Lys Lys Leu Arg
 145 150 155 160

Leu Gln Gly Arg Thr Tyr Asn Asp Gly Ser Trp Asn Ile Thr
 165 170

<210> 193

<211> 192

<212> PRT

<213> Homo sapiens

<400> 193

Met Glu Ala Leu Leu Gln Ser Leu Val Ile Val Leu Leu Gly Phe Lys
 1 5 10 15

Ser Phe Leu Ser Glu Glu Leu Gly Ser Glu Val Leu Asn Leu Leu Thr
 20 25 30

Asn Lys Gln Tyr Glu Leu Leu Ser Lys Asn Leu Arg Lys Thr Arg Glu
 35 40 45

Leu Phe Val His Gly Leu Pro Gly Ser Gly Lys Thr Ile Leu Ala Leu
 50 55 60

Arg Ile Met Glu Lys Ile Arg Asn Val Phe His Cys Glu Pro Ala Asn
 65 70 75 80

Ile Leu Tyr Ile Cys Glu Asn Gln Pro Leu Lys Lys Leu Val Ser Phe
 85 90 95

Ser Lys Lys Asn Ile Cys Gln Pro Val Thr Arg Lys Thr Phe Met Lys
 100 105 110

Asn Asn Phe Glu His Ile Gln His Ile Ile Ile Asp Asp Ala Gln Asn
 115 120 125

Phe Arg Thr Glu Asp Gly Asp Trp Tyr Gly Lys Ala Lys Phe Ile Thr
 130 135 140

Gln Thr Ala Arg Asp Gly Pro Gly Val Leu Trp Ile Phe Leu Asp Tyr
 145 150 155 160

Phe Gln Thr Tyr His Leu Ser Cys Ser Ala Ser Pro Leu Pro Gln Thr
 165 170 175

Ser Ile Gln Glu Lys Arg Ser Thr Glu Trp Ser Ala Met Gln Val Gln
 180 185 190

<210> 194

<211> 111

<212> PRT

<213> Homo sapiens

<400> 194

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Met Gln Phe Ser Leu Cys Leu Thr Ala Val Phe Leu Leu Gln Leu Ala
 1              5              10              15

Ala Gly Ile Leu Gly Phe Val Phe Ser Asp Lys Ala Arg Gly Lys Val
              20              25              30

Ser Glu Ile Ile Asn Asn Ala Ile Val His Tyr Arg Asp Asp Leu Asp
              35              40              45

Leu Gln Asn Leu Ile Asp Phe Gly Gln Lys Lys Val Trp Val Ser Gln
              50              55              60

Trp Ser Gly Gly Leu Trp Val Lys Val Asn Val Ile Pro Arg Asp Ala
65              70              75              80

Ser Pro Ser Met Pro Val Gly Leu Phe Ile Thr Cys Gln Val Met Ala
              85              90              95

Ser Gly Lys Gly Phe Gly Lys Lys Ser Thr Arg Ser Arg Val Leu
              100              105              110
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<210> 195

<211> 79

<212> PRT

<213> Homo sapiens

<400> 195

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Met Cys Arg Pro Leu Leu Pro Leu Leu Phe Pro Trp Gly His Cys Leu
 1              5              10              15

Ser Ile Pro Leu Cys Lys Trp Pro Gln Ile Met Ser Gln Pro Pro Arg
              20              25              30

Leu His Arg Leu Leu Ala Ser Gly Pro Ser Thr Lys Lys His Ser Lys
              35              40              45

Leu Gln Thr His Ser Trp Glu Asn Ser Asn Gly Leu Thr Leu Pro Phe
              50              55              60

Glu Pro Ala Arg Ser His Gly Leu Trp Arg Ala Ala Phe Glu Ser
              65              70              75
```

<210> 196

<211> 87

<212> PRT

<213> Homo sapiens

<400> 196

```
Met Leu Ser Ile Ile Asp Leu Leu Phe Leu Leu Ser Pro Thr Phe Gly
 1              5              10              15

Leu Ile Thr Glu Leu Leu Phe Ser Pro Glu Val Pro Lys Ala Leu Ser
              20              25              30

Cys Pro Leu Lys Ala Leu Gly Gly Gly Ser His Ser His Glu Pro Leu
```


35 40 45
 Gly Met Phe Ala Pro Val Pro Pro Gly Cys Glu Ser Ser Thr Pro Phe
 50 55 60
 Pro Lys Gly Leu Gly Ala Ser Lys Ile Leu Thr Leu Gly Ala Gln Ala
 65 70 75 80
 Glu Phe Arg Arg Arg Ser His
 85

<210> 197
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 197
 Met Glu Asp His Phe Leu Ile Gly His Phe Pro Phe Phe Phe Leu Phe
 1 5 10 15
 Ser Phe Pro Cys Phe Cys Thr Lys Pro Leu Cys Arg Glu Tyr Phe Leu
 20 25 30
 Ile Cys Ser Ile Gln Asp Glu Ser Lys
 35 40

<210> 198
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Phe Asn Leu Pro Lys Pro Val Phe Leu Ser Trp Trp Arg Trp Lys
 1 5 10 15
 Thr Ile Val Ile Phe Leu Ala Cys Leu Ala Ser Ala Ala Ile Lys Glu
 20 25 30
 Thr Ala Val Ser Met Lys Thr Val Phe Pro Ile Phe Val Gln Ile Thr
 35 40 45
 Leu Ile Leu Leu Leu Glu Ser Arg Val Leu Lys Ile Gly Asp Phe Ser
 50 55 60
 Asn Phe Phe Cys
 65

<210> 199
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> misc_feature
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 199
Met Asp His Ser Pro Thr Thr Gly Val Val Thr Val Ile Val Ile Leu
 1          5          10          15

Ile Ala Ile Ala Ala Leu Gly Ala Phe Asp Pro Gly Leu Leu Val Leu
          20          25          30

Pro Ala Ala Ala Ala His Gln Pro Val Arg Gly Arg Gly Glu His Arg
 35          40          45

Gly Gly Trp Gly Asp Gln Gly Thr Leu Pro Ala Gly Ala Val Phe Gly
 50          55          60

Gln Xaa Thr Val Arg Gly Glu Lys Gly Gln Ala Asp Xaa Ser Gln Thr
 65          70          75          80

Xaa Arg Lys Xaa Thr Xaa Xaa Pro Gly Cys Lys Gly Xaa Leu Val Pro
          85          90          95

Val Cys Lys Pro Ala Lys Xaa Gly Leu Gly Gly Ala Lys Xaa Ile Arg

```

100 105 110
 Met Arg Cys Cys Leu Arg Gly Arg Ala Asp Thr Cys Trp His Gly Leu
 115 120 125
 Cys Gly Phe Arg Pro Ser His Ala Leu Met Pro Gly Asp Leu Ala Val
 130 135 140
 Leu Gly Phe Pro Ser Ala Ser Arg
 145 150

<210> 200
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 200
 Met Lys Asn Ser Thr Ser Leu Leu Tyr Lys Leu Phe Ser Ser Leu Ser
 1 5 10 15
 Val Phe Ile Phe Lys Phe Leu Leu Leu Phe Tyr Thr Leu His Ile Ala
 20 25 30
 Leu Gly Val Lys Ile Gln Tyr Lys Pro Leu Ala His Phe Ile Asp His
 35 40 45
 Ser Cys Ile Gln Gln Val Ser Gln Val Gln Trp Ser Ile Pro
 50 55 60

<210> 201
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 201
 Met Gln Glu Pro His Gly Lys Phe Leu Ser Trp Gly Arg Trp Leu Trp
 1 5 10 15
 Trp Trp Ser Leu Ala Ala Pro Ala Leu Val Gln Ala Val Asn Met Pro
 20 25 30
 Pro Ala Tyr Ile Gln Ile Glu Asn Trp Tyr Met Met Leu Leu Met Gly
 35 40 45
 Trp Glu Thr Lys Cys Cys His Val Arg Ser Leu Trp Val Gly Thr
 50 55 60

<210> 202
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 202
 Met Leu Ile Asn Cys Ile Phe Ser Leu Leu Leu Leu Leu Ser His Ala
 1 5 10 15
 Asp Gly Met His Leu Phe Ile Ser Ser Gly Asp Arg Ile Leu Phe Cys

20 25 30
 Leu Tyr Phe Leu His Ser Arg Val Cys Ala
 35 40

 <210> 203
 <211> 40
 <212> PRT
 <213> Homo sapiens

 <400> 203
 Met Ser Val Tyr Val Asn Ile Met His Ile Val Ile Tyr Ile Tyr Leu
 1 5 10 15
 Cys Val Tyr Met Cys Val Ala Gln Ser His Thr His Thr Gln Ile Cys
 20 25 30
 Ile Gln Met Leu Pro Gly Leu Gln
 35 40

 <210> 204
 <211> 43
 <212> PRT
 <213> Homo sapiens

 <400> 204
 Met Ile Leu Ser Phe Leu Met Leu Phe Leu Ile Val Lys Thr Ile Pro
 1 5 10 15
 Leu Ile Leu Ala Tyr Cys Tyr Asn Ser Ile Ser Phe Phe Ser Asn Asn
 20 25 30
 Leu Val Leu Val Lys Met Gly Tyr Asn Asn Lys
 35 40

 <210> 205
 <211> 41
 <212> PRT
 <213> Homo sapiens

 <400> 205
 Met Arg Leu Leu Ser Thr Leu Leu Ser Phe Tyr Pro Phe Ser Asn Cys
 1 5 10 15
 Phe Leu Leu Ser Phe Cys Asp Ser His Pro Pro Val Trp Leu Arg Asn
 20 25 30
 Ser Gln Val Phe Pro Glu Glu Val Val
 35 40

 <210> 206
 <211> 41
 <212> PRT
 <213> Homo sapiens

 <400> 206

Met Thr Gly Lys Leu Trp Leu Leu Leu Pro Arg Leu Gly His Ala Ala
 1 5 10 15

Ala Ala Pro Thr Thr Ala Leu Ser Gly Ser Glu Leu Glu Gly Thr Ser
 20 25 30

Ile Ser Leu Leu Ile Ala Leu Asp Arg
 35 40

<210> 207

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 207

Met Ala Pro Trp Leu Pro Leu Leu Ser Leu Leu Gly Leu Leu Leu Gly
 1 5 10 15

Xaa Ala Pro Ala Pro Pro Arg Arg Ala Ala Asp Ala Gln Ala Arg Glu
 20 25 30

Ala Ala Tyr Pro Glu Leu Leu Gly Pro Ala Arg Phe Ala Leu Glu Met
 35 40 45

Tyr Asn Arg Gly Arg Ala Ala Gly Xaa Arg Ala Thr Leu Gly Ala Val
 50 55 60

Arg Gly Arg Val Arg Arg Ala Gly Glu Gly Ser Leu Tyr Ser Leu Arg
 65 70 75 80

Ala Thr Leu Glu Glu Pro Pro Cys Asn Xaa Xaa Thr Val Cys Gln Leu
 85 90 95

Pro Val Ser Lys Arg Pro Cys Ser Ala Ala Leu Lys Ser Trp Thr Ser
 100 105 110

<210> 208
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Pro Thr Trp Pro Leu Leu Gln Leu Leu Ser Cys Ser Phe Pro Ser
 1 5 10 15
 Leu Leu Cys Glu Thr Phe Thr Phe Cys Ser Lys Asp Glu Val Ser Arg
 20 25 30
 Trp Lys Ala Gly Cys Phe Val Pro Leu Pro Ala Ser
 35 40

<210> 209
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 209
 Met Thr His Trp Ser Gly Cys Ala Ala Leu Tyr Leu Ile Phe Leu Ser
 1 5 10 15
 Leu Lys Leu Ala Phe Gln Ala Gly Ala Gly Arg Gly Ala Gln Val Gly
 20 25 30
 Ser Val Leu Pro Pro Ser Gly Gly Ala Val Val Val Asp Gln Ile Leu
 35 40 45
 Leu Pro Pro Val Cys Thr Asn Ile Phe Leu Ser Ser Ser Pro Ser Glu
 50 55 60
 Val Tyr Trp Asn Met Ser Xaa Thr Ile Met Met Val Val Lys Met Met
 65 70 75 80
 Met Met Trp Val Ile Leu Ala Thr Leu Leu Gly Pro Ser Ser Pro Gln
 85 90 95
 Phe Val Ala Gln Ser Thr Leu His Thr Phe Ser Leu Val Leu Ile Lys
 100 105 110
 Pro Pro Phe Arg Val Gly Phe Ser Val Leu Phe
 115 120

<210> 210
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Ile Asn Phe Trp Pro Val Thr His Val Cys Ile Trp Leu Leu Trp

1 5 10 15
 Leu Gln Ala Leu Glu Ala Arg Gly Gln Gly Ser Asn Ile Asp Cys Thr
 20 25 30
 Arg Asn Ser Lys Thr Val Phe Thr Ser
 35 40

<210> 211
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Tyr Ile Tyr Leu Ile His Leu Cys Met Cys Val Tyr Ile Tyr Ile
 1 5 10 15
 Tyr Ile Leu Leu Ile Ile Tyr Thr Leu Asp Pro Glu Pro Pro Ser Trp
 20 25 30
 Ser Pro Lys Leu Asp Ser His Leu Ser Leu Arg Gln Pro Ser Asn Asp
 35 40 45
 Arg Phe
 50

<210> 212
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Phe Val Leu Cys Thr Arg Ala Val Arg Thr Arg Leu Phe Ser Leu
 1 5 10 15
 Cys Cys Cys Cys Cys Ser Ser Gln Pro Pro Thr Lys Ser Pro Ala Gly
 20 25 30
 Thr Pro Lys Ala Pro Ala Pro Ser Lys Pro Gly Glu Ser Gln Glu Ser
 35 40 45
 Gln Gly Thr Pro Gly Glu Leu Pro Ser Thr Trp Ser Phe Cys Pro Phe
 50 55 60

<210> 213
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 213
 Met Leu Ala Leu Leu Val Gly Gly Leu Val Ala Ala Leu Ala Cys His
 1 5 10 15
 Gly Ile Leu Ala Ala Ile Leu Ala Val Cys Gly Glu Leu Val Ser Gly

20 25 30
 Lys Gly Thr Arg Ser Ser Asp Glu Asp Asp Gly Gly Asp Gly Asp Arg
 35 40 45
 Gly His Arg Gly Leu Ser Leu Leu Asn Ser Ala Phe Gly His Met Gly
 50 55 60
 Asp Gly Asp Arg Lys Asp Asp Asn Ser Gly Thr Leu
 65 70 75

<210> 214
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 214
 Met Phe Val Gly Thr Arg Val Leu Leu Val Pro Leu Pro Phe Phe Ser
 1 5 10 15
 Ile Ser Gly Met Leu Ala Ile Asp Lys Tyr Leu His Lys Lys Leu Leu
 20 25 30
 Leu Asn Glu Ile Ile Thr Thr Ser Thr Trp Ala Leu
 35 40

<210> 215
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 215
 Met Gly Lys Gly His Gln Arg Pro Trp Trp Lys Val Leu Pro Leu Ser
 1 5 10 15
 Cys Phe Leu Val Ala Leu Ile Ile Trp Cys Xaa Leu Arg Glu Glu Ser
 20 25 30
 Glu Ala Asp Gln Trp Leu Arg Gln Val Trp Gly Glu Val Pro Glu Pro
 35 40 45
 Ser Asp Arg Ser Glu Glu Pro Glu Thr Pro Ala Ala Tyr Arg Ala Arg
 50 55 60

Thr
 65

<210> 216
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 216

Met Arg Leu Cys Thr Thr Trp Met Ala Val Lys Phe Leu Trp Trp Gly
1 5 10 15

Met Thr Trp Ile Pro Ser Gly Lys Ala Cys Ser Trp Thr Gln Pro Leu
20 25 30

Cys Ser Ser Gly Gly Trp Ser Ser Pro Thr His Leu Pro Thr Ser Leu
35 40 45

Leu Leu Gly Trp Arg Ala Ser Leu Cys Met Lys Arg Ser
50 55 60

<210> 217

<211> 55

<212> PRT

<213> Homo sapiens

<400> 217

Met Phe Ala Ser Tyr His Ile Gln Phe Phe Thr Trp Leu Ile Gln Lys
1 5 10 15

Leu Ser Leu Val Trp Lys Ser Val Val Ala Ile Arg Glu Gln Gly Lys
20 25 30

Glu Leu Val Trp Lys Gln His Leu Pro Leu Arg Ser Tyr Ser Pro Asn
35 40 45

Asn Ala Lys Ser Leu Gly Leu
50 55

<210> 218

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 218

Met Leu Ser Phe Asn Phe Thr Trp Met Val Trp Val Ser Leu Val Leu
1 5 10 15

Lys Ser Gln Arg Ala Lys Leu Ala Leu His Ser Leu His Leu His Gln
20 25 30

Glu Val Arg Leu Arg Met Ser Arg Arg Glu Ser Pro Gly Arg Pro Leu
35 40 45

Arg Cys Gly Val Arg Gly Asn Met Gly Ala Arg Thr Pro Val Pro Thr
50 55 60

Ala Asp Tyr Pro Ser Pro Tyr Arg Thr Leu Pro Arg Met Ala Ala Pro
65 70 75 80

Pro Pro Gln Lys Ser Ser Cys Xaa Arg Leu His Arg Pro His Trp Trp

				85						90					95			
Arg	Pro	Arg	Thr	Pro	Ser	Ser	Glu	Lys	Thr	Gly	Gly	Gln	Ser	Gln	Ser			
			100					105					110					
Thr	Leu	Asp	Arg	Cys	Ala	His	Leu	Val	His	Met	Leu	Leu	Arg	Asp	Gln			
		115					120					125						
Arg	Ala	Thr	Ser	Gln	Trp	Lys	Ala	Gly	Gly	Arg	Leu	Cys	Arg	Ala	Leu			
	130					135					140							
Ser	Lys	Thr	Pro	Leu	Gln	His	Gln	Leu	His	Ser	Thr	Ser	Tyr	Arg	Lys			
145					150					155					160			
Ala	Leu	Pro	Ile	Leu	Arg	Pro	Ser	Ser	Arg	Arg	Glu	Ala	Gly	Pro	Leu			
			165						170					175				
His	His	Ile	Asp	Leu	Arg	Arg	Cys	Phe	Ser	Arg	Leu	Gly	Arg	Gly	Ala			
		180						185					190					
Asp	Phe	Ala	Val	Cys	Ala	Lys	Glu	Pro	Val	Ser	Asp	Asn	Pro	Ile	Phe			
	195						200					205						
Leu	Leu	Ile	Thr															
	210																	

<210> 219
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 219																		
Met	Asn	Met	Phe	Gln	Thr	Ile	Leu	Val	Cys	Val	Leu	Phe	Val	Phe	Val			
1				5					10					15				
Arg	Trp	Phe	Phe	Leu	Leu	Leu	Gln	Ile	Glu	Ser	Ile	Gln	Thr	Lys	Phe			
		20					25					30						
His	Cys	Ile	Ser	Ser	Gln	Phe	Trp											
		35				40												

<210> 220
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 220																		
Met	Glu	Leu	Val	Trp	Phe	Arg	Phe	Leu	His	Leu	Asn	Leu	Leu	Pro	Arg			
1				5					10					15				
Gly	Val	Cys	Cys	Gly	Ile	Cys	Val	Cys	Val	Arg	Arg	Gly	Met	Val	Leu			
		20					25					30						
Ser	Glu	Pro	Thr	Ser	Cys	Gly	Gln	Arg	Ala	Leu	Ser	Cys	Glu	Gly	Gly			
		35				40						45						
Cys	His	Ser	Gly	Arg	Val	Gln	Phe	Arg	Arg	Pro								
	50					55												

<210> 221
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Arg Arg Met Arg Met Lys Ser Leu Ser Pro Arg Arg Ser Trp Trp
 1 5 10 15
 Thr Leu Trp Leu Gly Gln Gly Val Leu Gly Ala Ala Leu Lys Ala Asn
 20 25 30
 Thr Leu Trp Ile Ala Met Arg Arg Arg Met Met Met Met Gly Gly Pro
 35 40 45
 Ala Asn Met Thr Ser Trp Pro Gln Arg Met
 50 55

<210> 222
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Pro Phe Phe Leu Leu Thr Phe Pro Leu Val Leu Tyr Pro His Leu
 1 5 10 15
 Ser Arg Gly Ser Asp Pro Val Leu Pro Cys Val Met Gly Ile His Val
 20 25 30
 Phe Gly Leu Ser His His Ser Arg Lys Val Ala Pro Pro
 35 40 45

<210> 223
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Asp Arg Val Arg Phe Arg Ser Trp Leu Leu Tyr Pro Cys Cys Val
 1 5 10 15
 Ala Leu Gly Gln Glu Leu Gly Leu Ser Ala Pro Gln Trp Leu Ile Thr
 20 25 30
 Glu Asn Gly Met Pro Ala Leu Ala Leu Val Gly Cys Phe Glu Pro Thr
 35 40 45
 Ala Gly Ser Gly Ser Ser Trp His Asp Val Phe Leu Pro
 50 55 60

<210> 224
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 224

Met Lys Leu Asn Val His Phe Leu Trp Cys Thr Phe Ile Phe Gln Thr
1 5 10 15
Ser Gly Ser His Ile Glu Leu Leu Ile Ser Gly Gln Val Ser Ser Tyr
20 25 30
Ile Pro Ser Leu Asp Phe Cys Thr His Lys Val Val Ser Arg Glu Lys
35 40 45
Phe Glu Glu
50

<210> 225

<211> 50

<212> PRT

<213> Homo sapiens

<400> 225

Met Ala Ser Pro Val Phe Lys Thr Phe Trp Arg Leu Glu Leu Ser Val
1 5 10 15
Pro Leu Ser Leu Leu Phe Ile Leu Gln Ile Val Thr Ser Leu Ser Ser
20 25 30
Asp Glu Ile Cys Tyr Ser Thr Arg Lys Val Phe Ile Ile Arg Arg Gln
35 40 45
Leu Tyr
50

<210> 226

<211> 46

<212> PRT

<213> Homo sapiens

<400> 226

Met Cys Met Cys Val Gly Val Cys Leu Ile Thr Leu Leu Asp Arg Phe
1 5 10 15
Leu Trp Phe Gly Thr Ala Gly Ala Lys Phe Ile Gln Lys Ser Thr Phe
20 25 30
Leu Ser Lys Leu Pro Met Thr Leu Val Ser Phe His Ser Ile
35 40 45

<210> 227

<211> 51

<212> PRT

<213> Homo sapiens

<400> 227

Met Cys Pro Phe His Lys Ala Tyr Leu Asp Cys Phe Phe Gln Ile Ser
1 5 10 15
Leu Leu Leu Leu Ile Phe Leu Thr Tyr Leu Asp Ile Gly Lys Cys Gly

20 25 30
 Leu Trp Ser His Glu Trp Arg Ile Arg Glu Leu Gly Lys His Glu Arg
 35 40 45

Trp Trp Asn
 50

<210> 228
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 228
 Met Asn Gln Pro Ile Leu Arg Ser Gln Ala Leu Leu Trp Pro Trp Arg
 1 5 10 15

Trp Val Val Lys Ala Lys Pro Cys Val Cys Val Ser Met Asp Ala Trp
 20 25 30

Ile Pro Asp Arg Ser Gln His Cys Pro Ser Ile Pro Gly Gln Lys Lys
 35 40 45

Glu Arg Ala Gly Ser His Gly His Gln Ala Leu Ala Xaa Leu Leu Phe
 50 55 60

Leu
 65

<210> 229
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Ala Ser Arg Gly Thr Ala Ala Pro Gly Arg Thr Phe Leu Ala Met
 1 5 10 15

Met Val Thr Ser Phe Phe Phe Cys Met Arg Trp Gly Ser Trp Ala Glu
 20 25 30

Gln Met Pro Gln Arg Cys Leu Pro Cys Cys Met Gln Glu Cys
 35 40 45

<210> 230
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (184)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 230

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Met Ala Gly Gly Val Arg Pro Leu Arg Gly Leu Arg Ala Leu Cys Arg
 1              5              10              15

Val Leu Leu Phe Leu Ser Gln Phe Cys Ile Leu Ser Gly Gly Glu Ser
      20              25              30

Thr Glu Ile Pro Pro Tyr Val Met Lys Cys Pro Ser Asn Gly Leu Cys
      35              40              45

Ser Arg Leu Pro Ala Asp Cys Ile Asp Cys Thr Thr Asn Phe Ser Cys
      50              55              60

Thr Tyr Gly Lys Pro Val Thr Phe Asp Cys Ala Val Lys Pro Ser Val
      65              70              75              80

Thr Cys Val Asp Gln Asp Phe Lys Ser Gln Lys Asn Phe Ile Ile Asn
      85              90              95

Met Thr Cys Arg Phe Cys Trp Gln Leu Pro Glu Thr Asp Tyr Glu Cys
      100             105             110

Thr Asn Ser Thr Ser Cys Met Thr Val Ser Cys Pro Arg Gln Arg Tyr
      115             120             125

Pro Ala Asn Cys Thr Val Arg Asp His Val His Cys Leu Gly Asn Arg
      130             135             140

Thr Phe Pro Lys Met Leu Tyr Cys Asn Trp Thr Gly Gly Tyr Lys Trp
      145             150             155             160

Ser Thr Ala Leu Ala Leu Ser Ile Thr Leu Gly Gly Phe Gly Ala Asp
      165             170             175

Arg Phe Tyr Leu Gly Gln Trp Xaa Glu Gly Leu Gly Lys Leu Phe Ser
      180             185             190

Phe Gly Gly Leu Gly Ile Trp Thr Leu Ile Asp Val Leu Leu Ile Gly
      195             200             205

Val Gly Tyr Val Gly Pro Ala Asp Gly Ser Leu Tyr Ile
      210             215             220
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<210> 231

<211> 48

<212> PRT

<213> Homo sapiens

<400> 231

```
Met Cys Ile His Tyr Ser Arg Val Ile Phe Ser Phe Leu Lys Leu Arg
 1              5              10              15

Ile Lys Ser Ile Ser Trp Tyr Ala Met Trp Leu Tyr Phe Phe Cys Tyr
      20              25              30

Leu Asn Cys Leu Ala Lys Val Arg Ser Ala Thr Thr Tyr Leu Tyr Val
      35              40              45
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<210> 232
<211> 40
<212> PRT
<213> Homo sapiens

<400> 232
Met Leu Pro Val Cys Val Phe Lys Leu Leu Leu Tyr Leu Tyr Val Leu
  1             5             10             15

Ile Arg Ile Cys Thr Ile Ile Trp Cys Phe Lys Val Tyr Ile Asn Ala
      20             25             30

Val Ile Leu Asn Lys Ser Ser Arg
      35             40

<210> 233
<211> 52
<212> PRT
<213> Homo sapiens

<400> 233
Met Asn Cys Gly Gly Ser Thr Leu Cys Val Leu Ser Phe Cys Ser Val
  1             5             10             15

Val Cys Ser Val Glu Ala Ser Cys Gln Ser Thr Val Gln Trp Gly Gly
      20             25             30

Ala Ala Ala Arg Val Gly Val Pro Phe Asp Trp Ser Arg Asn Glu Gln
      35             40             45

Gly Lys Gly His
      50

<210> 234
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 234
Met Leu Gly Ser Ile Pro Lys Leu Trp Ser Val Leu Ser Phe Ser Ile
  1             5             10             15

Asn Phe Cys Phe Cys Cys Phe Ile Leu Ser Leu Leu Cys Leu Ser Val
      20             25             30

Leu Ser Asn Tyr Leu Phe Lys Thr Pro Arg Thr Trp Xaa Thr Leu His
      35             40             45

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Arg

<210> 235

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 235

Met Cys Leu Pro Leu Leu His Cys Thr Gly Ala Leu Trp Gly Lys Xaa
1 5 10 15

Val Leu Leu Phe Leu Tyr Cys Leu Ala Gln Ser Phe Ala Tyr Ser Arg
20 25 30

His Gln Thr Val Gly Leu Val Val His Asp Tyr Trp
35 40

<210> 236

<211> 54

<212> PRT

<213> Homo sapiens

<400> 236

Met Cys Trp Ile Cys Val Trp Leu Phe Phe Ser Pro Thr Lys Thr Ser
1 5 10 15

Cys Phe Pro Trp Leu Ile Arg Pro Gly Pro Arg Ser Phe Thr Asp Ser
20 25 30

His Gly Thr Pro Pro Trp Gln Cys Leu Glu Pro Ser Ser Phe Thr Tyr
35 40 45

Pro Gly Lys Gln Val Trp
50

<210> 237

<211> 68

<212> PRT

<213> Homo sapiens

<400> 237

Met Lys Arg Leu Arg Phe Val Leu Arg Val Phe Gln Met Thr Ala Phe
1 5 10 15

Ile Thr Gly Ala His Thr Ile Thr Asn Tyr Ser Asp Arg Arg Leu Tyr
20 25 30

Ile Ser Pro Leu Ser His Phe Phe Met Asn Ser Gly Ser Ser Ala Gln
35 40 45

Ser Val Leu Ser His Ser Tyr Val Ser Gln Ile Phe Phe Lys Asn Val


```

50                               55                               60
Ser Lys Tyr Phe
65

<210> 238
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 238
Met Thr Lys Leu Leu Ser Leu Ser His Leu Leu Val Thr Phe Phe Asn
 1              5              10              15
Ile Ile Ala Ile Lys Cys Lys Lys Gln His Leu Arg His Ser Lys Cys
      20              25              30
Asn Xaa Asp Thr Thr Phe Lys Asn Lys Met Leu Asn
      35              40

<210> 239
<211> 77
<212> PRT
<213> Homo sapiens

<400> 239
Met Gln Leu Cys Val Ile Trp Phe Thr Val Ile Phe Leu Ser Gln Ser
 1              5              10              15
Ser Arg Leu Val Lys Glu Lys Ile Ser Asn Thr Ser Gly Glu Lys Gly
      20              25              30
Arg Trp Pro Ala Ile Asp Val Val Ala Leu Cys Pro Ser Arg Thr Ala
      35              40              45
Gly Ile Ser Phe Pro Arg His Phe Leu Tyr Val Ser Cys Ile Val Gly
      50              55              60
Cys Thr Asn Ile Ile Cys Ser Phe Gly Phe Pro Gly Gln
      65              70              75

<210> 240
<211> 52
<212> PRT
<213> Homo sapiens

<400> 240
Met Glu Val Val Leu Pro Lys His Ile Leu Asp Ile Trp Val Ile Val
 1              5              10              15
Leu Ile Ile Leu Ala Thr Ile Val Ile Met Thr Ser Leu Leu Leu Cys
      20              25              30

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Pro Ala Thr Ala Val Ile Ile Tyr Arg Met Arg Thr His Pro Ile Leu
35 40 45

Ser Gly Ala Val
50

<210> 241
<211> 52
<212> PRT
<213> Homo sapiens

<400> 241
Met Tyr Tyr Leu Gly Lys Trp Asp Ile Trp Gln Pro Val Ser Leu Leu
1 5 10 15

Tyr Ile Ile Leu Phe Ala Ala Cys Pro Ser Leu Leu Ile Ser Ile Pro
20 25 30

Ala Lys Ala Ser Gly Glu Gly Trp Arg Cys Gly Asp Ile Gln Leu Thr
35 40 45

Val Val Thr Asp
50

<210> 242
<211> 42
<212> PRT
<213> Homo sapiens

<400> 242
Met Pro Val Ala Phe His Leu Pro Phe Leu Leu Ile Leu Pro Tyr Arg
1 5 10 15

Val Leu Pro Val Gly Gln Val Thr Gln Leu Thr Pro Arg Ala Val Glu
20 25 30

Val Lys Ile His Asn His Gly Arg Leu Pro
35 40

<210> 243
<211> 48
<212> PRT
<213> Homo sapiens

<400> 243
Met Ser Trp Pro Leu Cys Thr Leu Leu Phe Ser Trp Asp Cys Ile Leu
1 5 10 15

Ala Val Lys Thr Ser Arg Leu Lys Phe Asp Ser Gln Gly Tyr Ile Leu
20 25 30

Gly Thr Phe Lys Val Ser Phe Gln Arg Asp Phe Ile Asn Arg Leu Asp
35 40 45

<210> 244

<211> 74

<212> PRT

<213> Homo sapiens

<400> 244

Met Ser Ile Ile Ile Tyr Trp Leu Leu Phe Phe Lys His Leu Leu Trp
1 5 10 15

Val Leu Ile Ile Gly Met Val Lys Ala Leu His Pro His Tyr Leu Asn
20 25 30

Leu Arg Ile Tyr Glu Phe Gly Glu Ile Thr Ala Val Leu Gln Arg Lys
35 40 45

Lys Gln Gly Arg Glu Asn Gly Asn Phe Leu Lys Phe Ser Leu Leu Ser
50 55 60

Leu Asn Arg Ser Arg Ile Pro Thr Gln Ile
65 70

<210> 245

<211> 43

<212> PRT

<213> Homo sapiens

<400> 245

Met Ala Ile His Phe His Ile Ile Gln Trp Leu Leu Leu Cys Tyr Asn
1 5 10 15

Cys His His Ala Gln Trp Gly Leu Trp His Thr Thr Ala Glu Val Ser
20 25 30

Gly Cys Gly Arg Asn His Leu Ala Phe Lys Ala
35 40

<210> 246

<211> 64

<212> PRT

<213> Homo sapiens

<400> 246

Met Tyr Leu Ser Leu Phe Phe Phe Cys Phe Ser Leu Gln Ala Ser Ala
1 5 10 15

Val Glu Glu Arg Ser Ala Glu Ser Ser Arg Glu Gly Pro Val Arg Thr
20 25 30

Asp Asn Trp Gln Arg Cys Phe Gly Asp Ile Pro Gly Thr Pro Thr His
35 40 45

Leu Val Gln Arg Ser Leu Val Leu Thr Cys Phe Gly Arg Val Leu Ser
50 55 60

<210> 247
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 247
 Met Lys Lys Val Cys Trp Val Trp Ala Leu Ala His Leu Val Leu Cys
 1 5 10 15
 Glu Arg Trp Leu Thr Ala Gly Cys Leu Leu Tyr Val Gly Val Ile Gln
 20 25 30
 Pro Cys Lys Gly Ser Pro Ser Ser Val Cys Lys Ala Arg Arg Cys Leu
 35 40 45
 His Pro Lys Tyr Arg Ile Lys Arg Tyr Gly Tyr Tyr Lys Tyr Ser Val
 50 55 60
 Arg Leu Ile Ile Cys His His His Pro His Ala Leu Lys Ala Glu Leu
 65 70 75 80
 Thr Asp Asp

<210> 248
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 248
 Met Arg Ser Tyr Phe Pro Phe Ser Val Cys Pro Phe Pro Phe Cys Ser
 1 5 10 15
 Pro Val Phe Phe Phe Val Phe Thr Asp Val Tyr Leu Cys Phe Phe Phe
 20 25 30
 Val Phe Ala Val Gly Arg His Leu Ser Asp Pro Phe Pro Ile Leu Phe
 35 40 45
 Phe Thr His Lys Cys Pro Asp Val
 50 55

<210> 249
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 249
 Met Arg Ala Cys Gly Trp Asp Leu Ser Ile Leu Leu Val Gly Leu Val
 1 5 10 15
 Met Gly Arg Glu Gly Cys Tyr Ser Arg Leu Pro Pro Thr Glu Tyr Gln
 20 25 30
 Lys Gln Ala Gly Ser Ser Gly Val Cys Lys Asp Val Arg Pro Arg Asn
 35 40 45

Gln Pro Ser Pro Ser Tyr Pro Cys Lys Ser Leu Ser Pro His Ala Pro
 50 55 60

Leu Leu
 65

<210> 250
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 250
 Met Tyr Leu Ile Leu Ser Trp Leu Phe Leu Cys Lys Leu Val Lys Cys
 1 5 10 15

Tyr Phe Glu Ile Leu Leu Phe Ser Thr Ser Pro Gln Leu Leu Gln Trp
 20 25 30

Thr Val Ile Val Thr Tyr Cys Gly Pro Leu Leu Arg Phe
 35 40 45

<210> 251
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 251
 Met Leu Val Phe Leu Leu Leu Phe Ser Thr Val Thr Val Leu Cys Leu
 1 5 10 15

Lys Val Val Phe Ser Leu Lys Ala Val Ala Tyr Ile Val Lys Asn Glu
 20 25 30

Gly Leu Cys Leu Lys Phe Ile Ala Leu Gln Arg Val Val Ser Leu Lys
 35 40 45

Ser Cys Thr Ile Lys
 50

<210> 252
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 252
 Met Thr Phe Leu Leu Gln Trp Phe Pro Leu Gly Arg Ala Arg Val Val
 1 5 10 15

Gly Asp Leu Cys Gly Phe Ser Thr Gln Ile His Pro Gly Val Ser Arg
 20 25 30

Ala Gly Met Ala Asp Leu Glu Ser Pro Pro Phe Pro Arg Thr Cys Ser
 35 40 45

Val Pro Arg Ala Ala Asn Lys Gly
 50 55

<210> 253

<211> 40

<212> PRT

<213> Homo sapiens

<400> 253

Met Val Ala Met Val Phe Leu Lys Ile Ser Val Leu Pro Leu Met Cys
1 5 10 15

Arg Gly Gln Thr Lys His Lys Val Leu Arg Asp His Ala Tyr Pro Arg
20 25 30

Val Ser Gln Lys Arg Gly His Ile
35 40

<210> 254

<211> 71

<212> PRT

<213> Homo sapiens

<400> 254

Met Val Gln Gly Pro Leu Thr His Leu Met Leu Val Leu Leu Ile Ser
1 5 10 15

Leu Ile Phe Leu Ser Arg Gly Ser Gly Arg Ala Trp Ala Phe Ser His
20 25 30

Ser Cys Phe Lys Thr Ser Asp Leu Leu Pro Cys Arg Asn Arg Trp Glu
35 40 45

Val Ile Glu Phe Leu His Tyr Ser Asn Leu His Ser His Ile Ser Leu
50 55 60

Ser Val Thr Lys Thr Phe Leu
65 70

<210> 255

<211> 41

<212> PRT

<213> Homo sapiens

<400> 255

Met Phe Val Lys Tyr His Val Ile Met Val Ile Ile Phe Ile Phe Ile
1 5 10 15

Leu Ile Thr Ser Asp Lys His Gly Glu Ile Ile Tyr Ile Lys Tyr Ile
20 25 30

Asp Arg Val Ile Ile Thr Glu Arg Ile
35 40

<210> 256

<211> 160

<212> PRT

<213> Homo sapiens

<400> 256

Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr Leu Ser Arg Val Leu
1 5 10 15

Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala Arg Gln Pro Arg Ile
20 25 30

Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu Ile Arg Thr Ile Arg
35 40 45

Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu Glu Val Val Ser Glu
50 55 60

Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu Glu Tyr Leu Val Ile
65 70 75 80

Ile Arg Phe Thr Pro Thr Val Pro His Cys Ser Leu Ala Thr Leu Ile
85 90 95

Gly Leu Cys Leu Arg Val Lys Leu Gln Arg Cys Leu Pro Phe Lys His
100 105 110

Lys Leu Glu Ile Tyr Ile Ser Glu Gly Thr His Ser Thr Glu Glu Asp
115 120 125

Ile Asn Lys Gln Ile Asn Asp Lys Glu Arg Val Ala Ala Ala Met Glu
130 135 140

Asn Pro Asn Leu Arg Glu Ile Val Glu Gln Cys Val Leu Glu Pro Asp
145 150 155 160

<210> 257

<211> 50

<212> PRT

<213> Homo sapiens

<400> 257

Met Leu Phe Phe Ser Leu Lys Glu Ser Leu Tyr Ile Phe His Thr Ala
1 5 10 15

Ile Leu Leu Val Val Cys Phe Ala Cys Ala Val Val Cys Gln Tyr Val
20 25 30

Ile Val Arg Val Cys Ala Val Val Phe Cys Phe Ser Lys Ser Gln Ser
35 40 45

Leu Ile
50

<210> 258

<211> 278

<212> PRT

<213> Homo sapiens

<400> 258
 Met Leu Ile Phe Gly Ala Ile Phe Gly Cys Leu Asp Pro Val Ala Thr
 1 5 10 15
 Leu Ala Ala Val Met Thr Glu Lys Ser Pro Phe Thr Thr Pro Ile Gly
 20 25 30
 Arg Lys Asp Glu Ala Asp Leu Ala Lys Ser Ala Leu Ala Met Ala Asp
 35 40 45
 Ser Asp His Leu Thr Ile Tyr Asn Ala Tyr Leu Gly Trp Lys Lys Ala
 50 55 60
 Arg Gln Glu Gly Gly Tyr Arg Ser Glu Ile Thr Tyr Cys Arg Arg Asn
 65 70 75 80
 Phe Leu Asn Arg Thr Ser Leu Leu Thr Leu Glu Asp Val Lys Gln Glu
 85 90 95
 Leu Ile Lys Leu Val Lys Ala Ala Gly Phe Ser Ser Ser Thr Thr Ser
 100 105 110
 Thr Ser Trp Glu Gly Asn Arg Ala Ser Gln Thr Leu Ser Phe Gln Glu
 115 120 125
 Ile Ala Leu Leu Lys Ala Val Leu Val Ala Gly Leu Tyr Asp Asn Val
 130 135 140
 Gly Lys Ile Ile Tyr Thr Lys Ser Val Asp Val Thr Glu Lys Leu Ala
 145 150 155 160
 Cys Ile Val Glu Thr Ala Gln Gly Lys Ala Gln Val His Pro Ser Ser
 165 170 175
 Val Asn Arg Asp Leu Gln Thr His Gly Trp Leu Leu Tyr Gln Glu Lys
 180 185 190
 Ile Arg Tyr Ala Arg Val Tyr Leu Arg Glu Thr Thr Leu Ile Thr Pro
 195 200 205
 Phe Pro Val Leu Leu Phe Gly Gly Asp Ile Glu Val Gln His Arg Glu
 210 215 220
 Arg Leu Leu Ser Ile Asp Gly Trp Ile Tyr Phe Gln Ala Pro Val Lys
 225 230 235 240
 Ile Ala Val Ile Phe Lys Gln Leu Arg Val Leu Ile Asp Ser Val Leu
 245 250 255
 Arg Lys Lys Leu Glu Asn Pro Lys Met Ser Leu Glu Met Thr Arg Phe
 260 265 270
 Cys Arg Ser Leu Arg Asn
 275

<210> 259
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 259

Met Lys Val Leu Ser Trp Ile His Phe Ile Leu Ile Ser Leu His Phe
1 5 10 15
Thr Ser Ser Leu Asp Pro Ser Ser Arg Gly Leu Gly Thr Phe Thr Asp
20 25 30
Ala Leu Pro Asp Ser Arg Ala Lys Val Trp Glu Gly Glu Met Glu Glu
35 40 45
Cys Pro Pro Val Cys Val Val Leu Cys Ala Thr Ala Thr Asp Ala Glu
50 55 60
Gly Phe Ser Gly
65

<210> 260

<211> 121

<212> PRT

<213> Homo sapiens

<400> 260

Met Ile Met Ala Gln Lys Ile Gly Gly Leu Thr Trp Trp Ala Ile Met
1 5 10 15
Phe Ile Ile Leu Phe Glu Ile Thr Gly Thr Ser Ser Ser Phe Leu Arg
20 25 30
Ile Asn Ala Leu Pro His Phe Ser Met Asn Arg Cys Gly Glu Ala Tyr
35 40 45
Phe Pro Phe Ser Tyr Leu Tyr Thr Ser Leu Gln Lys Gln Phe Leu Met
50 55 60
Lys Val Ser Gly Ile Val Lys Asn Leu Arg Gly Asn Asp Asp Trp Arg
65 70 75 80
Cys Phe Gly Val Phe Phe Cys Ile His Phe Leu Met Arg Lys Val Leu
85 90 95
Asn Val Val Gln Val Arg Pro Asn Tyr Tyr Leu Thr Ile Ile Gly Arg
100 105 110
Phe Tyr Val Ser Val Lys Val Phe Lys
115 120

<210> 261

<211> 58

<212> PRT

<213> Homo sapiens

<400> 261

Met Gly Lys Ile Cys Lys Asn Trp Val Ser Phe Leu Asp Asn Val Leu
1 5 10 15
Leu Leu Ile Leu Phe Leu Tyr Gly Leu Cys Leu Gly Trp Leu Cys Ile
20 25 30

Tyr His Gln Ser Tyr Ser Thr Ala Cys Ile Cys Val Val Thr Asp Ala
35 40 45

Glu Ile Gln Gln Lys Ser Leu His Ser Ile
50 55

<210> 262
<211> 67
<212> PRT
<213> Homo sapiens

<400> 262
Met Leu Val Leu Leu Trp Leu Gly Trp Ile Ser Ser Lys Ser Met Leu
1 5 10 15

Ala Ala Tyr Phe Val Ala Pro Lys Tyr Pro Leu Lys Leu Ala Leu Val
20 25 30

Ser Glu Pro Glu Ser Ser Ser Leu Ile Leu Lys Phe Leu Ser Leu Lys
35 40 45

Asp Phe Leu Cys Cys Tyr Thr Thr Lys Leu Ser Val Asn Pro Pro Leu
50 55 60

Leu Asn Asp
65

<210> 263
<211> 45
<212> PRT
<213> Homo sapiens

<400> 263
Met Val Ser Phe His Phe Gln Cys Thr Ser Tyr Phe Val Arg Leu Phe
1 5 10 15

Phe Gln Leu Gln Leu Phe Val Gly Leu Val Ile Val Leu Ala Leu Leu
20 25 30

Ile Ser His Ser Leu Thr Tyr Ser Phe His Lys His Leu
35 40 45

<210> 264
<211> 70
<212> PRT
<213> Homo sapiens

<400> 264
Met Thr His Trp Ser Gly Cys Ala Ala Leu Tyr Leu Ile Phe Leu Ser
1 5 10 15

Leu Lys Leu Ala Phe Gln Ala Gly Ala Gly Arg Gly Ala Gln Val Gly
20 25 30

Ser Val Leu Pro Pro Ser Gly Gly Ala Val Val Val Asp Gln Tyr Cys
35 40 45

Cys Arg Leu Ser Ala Gln Thr Tyr Phe Ser Leu Pro Ala Leu Gln Lys
 50 55 60

Cys Ile Gly Ile Cys Arg
 65 70

<210> 265
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 265
 Met Val Ala Met Val Phe Leu Lys Ile Ser Val Leu Pro Leu Met Cys
 1 5 10 15
 Arg Gly Gln Thr Lys His Lys Val Leu Arg Asp His Ala Tyr Pro Arg
 20 25 30
 Val Ser Gln Lys Arg Gly His Ile
 35 40

<210> 266
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 266
 Met Val Gln Gly Pro Leu Thr His Leu Met Leu Val Leu Leu Ile Ser
 1 5 10 15
 Leu Ile Phe Leu Ser Arg Gly Ser Gly Arg Ala Trp Ala Phe Ser His
 20 25 30
 Ser Cys Phe Lys Thr Ser Asp Leu Leu Pro Cys Arg Asn Arg Trp Glu
 35 40 45
 Val Ile Glu Phe Leu His Tyr Ser Asn Leu His Ser His Ile Ser Leu
 50 55 60
 Ser Val Thr Lys Thr Phe Leu
 65 70

<210> 267
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 267
 Phe Tyr Ile Ala Asp His Ser Phe Thr Ala Arg Pro Thr Leu Arg Met
 1 5 10 15
 Phe Arg Ile Ser Ala Val Val Ala Thr Asp Lys Met Thr Phe Thr Ser
 20 25 30
 Gly Gly Thr Leu Phe Gly Asp Gly Cys Ala Ser Ser Val Ala Gly Glu
 35 40 45

Val Met Asn Cys Gln Thr Val Leu Cys Ile Leu Trp Thr Pro Phe Val
50 55 60

Phe Cys Pro Ser Ile Ala Val Ile Ile Ile Pro Cys Val Phe Thr Ser
65 70 75 80

Lys Ala Leu Glu Ala Ile Trp Lys Trp Cys Arg Val Glu Arg Arg Pro
85 90 95

His Ile Ile Glu Val Asp Val Leu Gly Lys Cys Pro Ala Phe
100 105 110

<210> 268
<211> 25
<212> PRT
<213> Homo sapiens

<400> 268
Arg Pro Thr Leu Arg Met Phe Arg Ile Ser Ala Val Val Ala Thr Asp
1 5 10 15

Lys Met Thr Phe Thr Ser Gly Gly Thr
20 25

<210> 269
<211> 28
<212> PRT
<213> Homo sapiens

<400> 269
Pro Ser Ile Ala Val Ile Ile Ile Pro Cys Val Phe Thr Ser Lys Ala
1 5 10 15

Leu Glu Ala Ile Trp Lys Trp Cys Arg Val Glu Arg
20 25

<210> 270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 270
Thr Ser Val Ser Phe His His Arg Tyr Lys Ser Ser Asp Arg Pro Ala
1 5 10 15

His Lys Val Ser
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<210> 271
<211> 1187
<212> DNA
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<400> 271
gggtcgaccc acgcgtccgg taaaatataa agaaactgaa ccagtgtgtc ttttcaccat

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agatataaga gttcggaccg cccagcacac aaggtcagca tgctgctcct ctgtcacgct      120
ctcgctatag ctgttggtcca gatcggtatc ttctcagaaa gctgggcatt tgccaagaac      180
atcaacttct ataatgtgag gcctcctctc gaccctacac catttccaaa tagcttcaag      240
tgctttactt gtgaaaacgc aggggataat tataactgca atcgatgggc agaagacaaa      300
tgggtgtccac aaaatacaca gtactgtttg acagttcatc acttcaccag ccacggaaga      360
agcacatcca tcaccaaaaa gtgtgcctcc agaagtgaat gtcattttgt cggttgccac      420
cacagccgag attctgaaca tacggagtgt aggtcttgct gtgaaggaat gatctgcaat      480
gtagaattac ccaccaatca cactaatgca gtgtttgccc taatgcacgc tcagagaaca      540
tctggcagca gtgccccac actctaccta ccagtgttg cctgggtcct tgtgcttcca      600
ttgctgtgat gccaccattc ctaggagagg cagagaccag cctctaaagc acaagccaaa      660
aactgtgtga acggtgaact ttggagtga gatcaatctt gcacttgggtg aagagtgcac      720
attggacctc aaggcgaaag ccagtggttt gcttggataa aatgttcccg catgaggcca      780
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ggtcaaacc tcttgtttat gtgattagct cagagcatct ctatgaaatc taacccttcc     1020
cctcatgaga aagcagtttt cccaccaaac agcatagtca atgagaaaagg caactgtacg     1080
aagaaaactt ccagtggaac taatatgaaa tctatttgca aattatgggg ggaaataaag     1140
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<210> 272

<211> 169

<212> PRT

<213> Homo sapiens

<400> 272

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Met Leu Leu Leu Cys His Ala Leu Ala Ile Ala Val Val Gln Ile Val
  1             5             10            15

Ile Phe Ser Glu Ser Trp Ala Phe Ala Lys Asn Ile Asn Phe Tyr Asn
      20             25            30

Val Arg Pro Pro Leu Asp Pro Thr Pro Phe Pro Asn Ser Phe Lys Cys
      35             40            45

Phe Thr Cys Glu Asn Ala Gly Asp Asn Tyr Asn Cys Asn Arg Trp Ala
      50             55            60

Glu Asp Lys Trp Cys Pro Gln Asn Thr Gln Tyr Cys Leu Thr Val His

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65		70		75		80
His Phe Thr Ser	His Gly Arg Ser Thr Ser	Ile Thr Lys Lys Cys Ala				
	85	90	95			
Ser Arg Ser Glu Cys His Phe Val Gly Cys His His Ser Arg Asp Ser						
	100	105	110			
Glu His Thr Glu Cys Arg Ser Cys Cys Glu Gly Met Ile Cys Asn Val						
	115	120	125			
Glu Leu Pro Thr Asn His Thr Asn Ala Val Phe Ala Val Met His Ala						
	130	135	140			
Gln Arg Thr Ser Gly Ser Ser Ala Pro Thr Leu Tyr Leu Pro Val Leu						
	145	150	155			160
Ala Trp Val Phe Val Leu Pro Leu Leu						
	165					

<210> 273
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 273
 Ile Ala Val Val Gln Ile Val Ile Phe Ser Glu Ser Trp Ala Phe Ala
 1 5 10 15
 Lys Asn Ile Asn Phe
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<210> 274
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 274
 Phe Tyr Asn Val Arg Pro Pro Leu Asp Pro Thr Pro Phe Pro Asn Ser
 1 5 10 15
 Phe Lys Cys Phe Thr
 20

<210> 275
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 275
 Thr Cys Glu Asn Ala Gly Asp Asn Tyr Asn Cys Asn Arg Trp Ala Glu
 1 5 10 15
 Asp Lys Trp Cys Pro
 20

<210> 276

<211> 21

<212> PRT

<213> Homo sapiens

<400> 276

Pro Gln Asn Thr Gln Tyr Cys Leu Thr Val His His Phe Thr Ser His
1 5 10 15

Gly Arg Ser Thr Ser
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<210> 277

<211> 21

<212> PRT

<213> Homo sapiens

<400> 277

Ser Ile Thr Lys Lys Cys Ala Ser Arg Ser Glu Cys His Phe Val Gly
1 5 10 15

Cys His His Ser Arg
20

<210> 278

<211> 21

<212> PRT

<213> Homo sapiens

<400> 278

Arg Asp Ser Glu His Thr Glu Cys Arg Ser Cys Cys Glu Gly Met Ile
1 5 10 15

Cys Asn Val Glu Leu
20

<210> 279

<211> 100

<212> PRT

<213> Homo sapiens

<400> 279

Gly Arg Ala Phe Ala Leu Arg Thr Met Leu Pro Val Val Ser Ser Val
1 5 10 15

Phe Ala Leu Pro Phe Tyr Leu Asn Phe Arg Ile Tyr Tyr Phe Lys Ile
20 25 30

Leu Ser Tyr Leu Asn Val Ile His Phe Ser Ser Thr Asn Phe Glu Tyr
35 40 45

His Ser Phe Val Leu Leu Asp Leu His Ser Leu Arg Ser Trp Gly Ala
50 55 60

Lys Leu Gly Leu Arg Phe Gly Gly Phe Arg Ser Arg Val Leu Ser Gly
65 70 75 80

Gly Ser Ala Ser Asn Ala Asp Trp Arg Phe Cys Ser Asn Ala Phe Ala
85 90 95

Ser Ser Ala His
100

<210> 280
<211> 21
<212> PRT
<213> Homo sapiens

<400> 280
Leu Pro Val Val Ser Ser Val Phe Ala Leu Pro Phe Tyr Leu Asn Phe
1 5 10 15

Arg Ile Tyr Tyr Phe
20

<210> 281
<211> 21
<212> PRT
<213> Homo sapiens

<400> 281
Ser Phe Val Leu Leu Asp Leu His Ser Leu Arg Ser Trp Gly Ala Lys
1 5 10 15

Leu Gly Leu Arg Phe
20

<210> 282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 282
Phe Gly Gly Phe Arg Ser Arg Val Leu Ser Gly Gly Ser Ala Ser Asn
1 5 10 15

Ala Asp Trp Arg
20

<210> 283
<211> 21
<212> PRT
<213> Homo sapiens

<400> 283
Phe Lys Ile Leu Ser Tyr Leu Asn Val Ile His Phe Ser Ser Thr Asn
1 5 10 15

Phe Glu Tyr His Ser
20

<210> 284

<211> 140
 <212> PRT
 <213> Homo sapiens

<400> 284
 Gly Ala Gly Lys Arg Pro Gln Val Leu Thr Phe Pro Glu Tyr Ile Thr
 1 5 10 15
 Ser Leu Ser Asp Ser Gly Thr Lys Arg Met Ala Ala Gly Val Arg Met
 20 25 30
 Glu Cys Gln Ser Lys Gly Arg Cys Pro Ser Ser Cys Pro Leu Cys His
 35 40 45
 Val Thr Ser Ser Pro Asp Thr Pro Ala Glu Pro Val Leu Leu Glu Val
 50 55 60
 Thr Lys Ala Ala Pro Ile Tyr Glu Leu Val Thr Asn Asn Gln Thr Gln
 65 70 75 80
 Arg Leu Leu Gln Glu Ala Thr Met Ser Ser Leu Trp Cys Ser Gly Thr
 85 90 95
 Gly Asp Val Ile Glu Asp Trp Cys Arg Cys Asp Ser Thr Ala Phe Gly
 100 105 110
 Ala Asp Gly Leu Pro Thr Cys Ala Pro Leu Pro Gln Pro Val Tyr Gly
 115 120 125
 Ser Leu Ser Leu Phe Gln His Tyr Ser Gly Asn Arg
 130 135 140

<210> 285
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 285
 Thr Phe Pro Glu Tyr Ile Thr Ser Leu Ser Asp Ser Gly Thr Lys Arg
 1 5 10 15
 Met Ala Ala Gly
 20

<210> 286
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 286
 Gly Val Arg Met Glu Cys Gln Ser Lys Gly Arg Cys Pro Ser Ser Cys
 1 5 10 15
 Pro Leu Cys His Val
 20

<210> 287

<211> 21
<212> PRT
<213> Homo sapiens

<400> 287
Val Thr Ser Ser Pro Asp Thr Pro Ala Glu Pro Val Leu Leu Glu Val
1 5 10 15
Thr Lys Ala Ala Pro
20

<210> 288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 288
Pro Ile Tyr Glu Leu Val Thr Asn Asn Gln Thr Gln Arg Leu Leu Gln
1 5 10 15
Glu Ala Thr Met
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<210> 289
<211> 84
<212> PRT
<213> Homo sapiens

<400> 289
Cys Leu Ser Ile Ala Leu Ser Asn Ala Leu His Ser Leu Asp Gly Ala
1 5 10 15
Thr Ser Arg Ala Asp Phe Val Ala Leu Leu Asp Gln Phe Gly Asn His
20 25 30
Tyr Ile Gln Glu Ala Ile Tyr Gly Phe Glu Glu Ser Cys Ser Ile Trp
35 40 45
Tyr Pro Asn Lys Gln Val Gln Arg Arg Leu Trp Leu Glu Tyr Glu Asp
50 55 60
Ile Ser Lys Gly Asn Ser Pro Ser Asp Glu Ser Glu Glu Arg Glu Arg
65 70 75 80
Asp Pro Lys Cys

<210> 290
<211> 21
<212> PRT
<213> Homo sapiens

<400> 290
Met Ser Ser Leu Trp Cys Ser Gly Thr Gly Asp Val Ile Glu Asp Trp
1 5 10 15
Cys Arg Cys Asp Ser

<210> 291
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 291
 Asn Ser Ala Arg Ala Glu Ala Glu Glu Leu Ser Pro Leu Leu Ser Asn
 1 5 10 15
 Glu Leu His Arg Gln Arg Ser Pro Gly Val Ser Phe Gly Leu Ser Val
 20 25 30
 Phe Asn Leu Met Asn Ala Ile Met Gly Ser Gly Ile Leu Gly Leu Ala
 35 40 45
 Tyr Val
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<210> 292
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 292
 Leu Ser Pro Leu Leu Ser Asn Glu Leu His Arg Gln Arg Ser Pro Gly
 1 5 10 15
 Val Ser Phe Gly Leu
 20

<210> 293
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 293
 Leu Ser Val Phe Asn Leu Met Asn Ala Ile Met Gly Ser Gly Ile Leu
 1 5 10 15
 Gly Leu Ala Tyr Val
 20

<210> 294
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 294
 His Leu Gly Arg Gly Phe Val Pro Gly Ile Leu Gly His Trp Leu Gly
 1 5 10 15
 Phe Glu Glu Arg Ser Gln Tyr Leu Pro Gly Cys Arg
 20 25

<210> 295
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 295
 Arg His Asn Asp Phe Asn Lys Leu Ser Tyr Thr Glu Cys Asn Asn Met
 1 5 10 15
 Asn Lys Arg Met Ala Lys Pro Glu Lys Lys Lys Gly Ser Val Lys Ser
 20 25 30
 Ser Leu Gly Ile Phe Leu Gly Pro Asn Cys His Leu Ile Ser Ser Leu
 35 40 45
 Phe Leu Phe Ser Val Ser Leu Tyr Pro Phe Ala Thr Gln Phe Pro Phe
 50 55 60
 His Tyr Val Leu Ile Phe Ile Ile Gln Ala Phe Gly Leu Cys Leu Pro
 65 70 75 80
 Leu Thr Glu Arg Gln Glu Ala Lys Ser Gly Leu Gly Gly Leu Cys Pro
 85 90 95
 Asp Tyr Thr Trp Pro Cys Pro Cys Leu Leu Val Ser Cys Leu Ser Leu
 100 105 110
 Leu Arg Leu
 115

<210> 296
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 296
 Cys Glu Val Phe Ser Trp His Phe Pro Trp Ser Lys Leu Ser Pro His
 1 5 10 15
 Leu Phe Leu Val Ser Phe Leu Cys Ile Pro Leu Ser Leu Cys His Thr
 20 25 30
 Val Ser Phe Ser Leu Cys Ser Asn Ile Tyr Asn Pro Gly Leu Arg Thr
 35 40 45
 Met Leu Ala Pro His Arg Glu Thr Gly Gly Gln Val Trp Ala Gly Trp
 50 55 60
 Ala Leu Ser Arg Leu His Val Ala Leu Pro Met Ser Leu Gly Val Leu
 65 70 75 80
 Ser Leu Pro Ala Pro Thr Val Thr Val Val Arg Met Glu Gly Gly Asp
 85 90 95
 Trp Lys Val Cys Glu Gln Leu Gly Gln Cys Thr Tyr Ser His Arg Met
 100 105 110
 Thr Lys

<210> 297

<211> 23

<212> PRT

<213> Homo sapiens

<400> 297

Lys Arg Met Ala Lys Pro Glu Lys Lys Lys Gly Ser Val Lys Ser Ser
1 5 10 15

Leu Gly Ile Phe Leu Gly Pro
20

<210> 298

<211> 31

<212> PRT

<213> Homo sapiens

<400> 298

Tyr Asn Pro Gly Leu Arg Thr Met Leu Ala Pro His Arg Glu Thr Gly
1 5 10 15

Gly Gln Val Trp Ala Gly Trp Ala Leu Ser Arg Leu His Val Ala
20 25 30

<210> 299

<211> 9

<212> PRT

<213> Homo sapiens

<400> 299

Ser Cys Lys Thr Glu Asn Leu Leu Glu
1 5

<210> 300

<211> 50

<212> PRT

<213> Homo sapiens

<400> 300

Glu Cys Gly Ser Trp Ala Gly Phe His Thr Ser Ser Phe Pro Arg Pro
1 5 10 15

Ser Ala Leu Ala Leu Ala Ala Trp Arg Arg Trp Gly Ser Ile Cys His
20 25 30

Leu His Thr Ala Gly Phe Ile Phe Gly Ala Ala Pro Arg Gly Asn Lys
35 40 45

Cys Arg
50

<210> 301

<211> 21

<212> PRT
 <213> Homo sapiens

 <400> 301
 Thr Ser Ser Phe Pro Arg Pro Ser Ala Leu Ala Leu Ala Ala Trp Arg
 1 5 10 15
 Arg Trp Gly Ser Ile
 20

 <210> 302
 <211> 21
 <212> PRT
 <213> Homo sapiens

 <400> 302
 Ile Cys His Leu His Thr Ala Gly Phe Ile Phe Gly Ala Ala Pro Arg
 1 5 10 15
 Gly Asn Lys Cys Arg
 20

 <210> 303
 <211> 25
 <212> PRT
 <213> Homo sapiens

 <400> 303
 Pro Asp Thr Leu Asp Lys Ser Pro Leu Ala Pro Gly Ser Ser Leu Val
 1 5 10 15
 Asp Pro Gln Ile Ser Leu Trp Val Leu
 20 25

 <210> 304
 <211> 251
 <212> PRT
 <213> Homo sapiens

 <400> 304
 Met Ser Pro Tyr Ala Ser Gln Gly Phe Pro Phe Leu Pro Pro Tyr Pro
 1 5 10 15
 Pro Gln Glu Ala Asn Arg Ser Ile Thr Ser Leu Ser Val Ala Asp Thr
 20 25 30
 Val Ser Ser Ser Thr Thr Ser His Thr Thr Ala Lys Pro Ala Ala Pro
 35 40 45
 Ser Phe Gly Val Leu Ser Asn Leu Pro Leu Pro Ile Pro Thr Val Asp
 50 55 60
 Ala Ser Ile Pro Thr Ser Gln Asn Gly Phe Gly Tyr Lys Met Pro Asp
 65 70 75 80
 Val Pro Asp Ala Phe Pro Glu Leu Ser Glu Leu Ser Val Ser Gln Leu
 85 90 95

Thr Asp Met Asn Glu Gln Glu Glu Val Leu Leu Glu Gln Phe Leu Thr
 100 105 110
 Leu Pro Gln Leu Lys Gln Ile Ile Thr Asp Lys Asp Asp Leu Val Lys
 115 120 125
 Ser Ile Glu Glu Leu Ala Arg Lys Asn Leu Leu Leu Glu Pro Ser Leu
 130 135 140
 Glu Ala Lys Arg Gln Thr Val Leu Asp Lys Tyr Glu Leu Leu Thr Gln
 145 150 155 160
 Met Lys Ser Thr Phe Glu Lys Lys Met Gln Arg Gln His Glu Leu Ser
 165 170 175
 Glu Ser Cys Ser Ala Ser Ala Leu Gln Ala Arg Leu Lys Val Ala Ala
 180 185 190
 His Glu Ala Glu Glu Glu Ser Asp Asn Ile Ala Glu Asp Phe Leu Glu
 195 200 205
 Gly Lys Met Glu Ile Asp Asp Phe Leu Ser Ser Phe Met Glu Lys Arg
 210 215 220
 Thr Ile Cys His Cys Arg Arg Ala Lys Glu Glu Lys Leu Gln Gln Ala
 225 230 235 240
 Ile Ala Met His Ser Gln Phe His Ala Pro Leu
 245 250

<210> 305
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 305
 Leu Pro Pro Tyr Pro Pro Gln Glu Ala Asn Arg Ser Ile Thr Ser Leu
 1 5 10 15
 Ser Val Ala Asp Thr Val Ser
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<210> 306
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 306
 Thr Ala Lys Pro Ala Ala Pro Ser Phe Gly Val Leu Ser Asn Leu Pro
 1 5 10 15
 Leu Pro Ile Pro Thr Val Asp Ala Ser Ile Pro
 20 25

<210> 307
 <211> 25

<212> PRT

<213> Homo sapiens

<400> 307

Pro Asp Val Pro Asp Ala Phe Pro Glu Leu Ser Glu Leu Ser Val Ser
1 5 10 15

Gln Leu Thr Asp Met Asn Glu Gln Glu
20 25

<210> 308

<211> 29

<212> PRT

<213> Homo sapiens

<400> 308

Gln Phe Leu Thr Leu Pro Gln Leu Lys Gln Ile Ile Thr Asp Lys Asp
1 5 10 15

Asp Leu Val Lys Ser Ile Glu Glu Leu Ala Arg Lys Asn
20 25

<210> 309

<211> 25

<212> PRT

<213> Homo sapiens

<400> 309

Arg Gln Thr Val Leu Asp Lys Tyr Glu Leu Leu Thr Gln Met Lys Ser
1 5 10 15

Thr Phe Glu Lys Lys Met Gln Arg Gln
20 25

<210> 310

<211> 28

<212> PRT

<213> Homo sapiens

<400> 310

Ala Ser Ala Leu Gln Ala Arg Leu Lys Val Ala Ala His Glu Ala Glu
1 5 10 15

Glu Glu Ser Asp Asn Ile Ala Glu Asp Phe Leu Glu
20 25

<210> 311

<211> 27

<212> PRT

<213> Homo sapiens

<400> 311

Met Glu Lys Arg Thr Ile Cys His Cys Arg Arg Ala Lys Glu Glu Lys
1 5 10 15

Leu Gln Gln Ala Ile Ala Met His Ser Gln Phe

20

25

<210> 312

<211> 19

<212> PRT

<213> Homo sapiens

<400> 312

Leu Leu Leu Gln Gln His Phe Leu Ile Tyr Thr Val Thr Gln Val Gly
 1 5 10 15

Cys Leu Leu

<210> 313

<211> 16

<212> PRT

<213> Homo sapiens

<400> 313

Glu Phe Gly Thr Arg Lys Ser Lys Ser Lys Ile Asn Ile Lys Glu Glu
 1 5 10 15

<210> 314

<211> 20

<212> PRT

<213> Homo sapiens

<400> 314

Gly Thr Ser Ser Lys Val Val Thr Gln Lys Val His Leu Ser Ser Val
 1 5 10 15

Glu Phe Pro Phe
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<210> 315

<211> 69

<212> PRT

<213> Homo sapiens

<400> 315

Thr Arg Pro Val Phe Leu Ser Met Thr Pro Leu Lys Gly Ile Lys Ser
 1 5 10 15

Val Ile Leu Pro Gln Val Phe Leu Cys Ala Tyr Met Ala Ala Phe Asn
 20 25 30

Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro Leu Glu Arg Ser
 35 40 45

Leu Leu Met Ala Gly Ala Val Ala Ser Ser Thr Phe Leu Gly Val Ile
 50 55 60

Pro Gln Phe Val Gln
65

<210> 316
<211> 21
<212> PRT
<213> Homo sapiens

<400> 316
Pro Leu Lys Gly Ile Lys Ser Val Ile Leu Pro Gln Val Phe Leu Cys
1 5 10 15

Ala Tyr Met Ala Ala
20

<210> 317
<211> 21
<212> PRT
<213> Homo sapiens

<400> 317
Ala Phe Asn Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro Leu
1 5 10 15

Glu Arg Ser Leu Leu
20

<210> 318
<211> 19
<212> PRT
<213> Homo sapiens

<400> 318
Pro Glu Ser Pro Val Tyr Pro Arg Arg Arg Thr Phe Ser Pro Asn Pro
1 5 10 15

Ser Pro Ile

<210> 319
<211> 11
<212> PRT
<213> Homo sapiens

<400> 319
Asn Val Ser Ala Asn Leu Asn Phe His Val His
1 5 10

<210> 320
<211> 129
<212> PRT
<213> Homo sapiens

<400> 320
Met Ser Asp Phe Glu Lys Val Asp Ile Ser Val His Gln His Ile His

1	5	10	15
Val Gly Pro Leu Leu Leu Met Thr Thr Glu Ser Trp Gly Pro Ser Cys	20	25	30
Ala Pro Ser Pro Ala Leu Leu Ser Gly His Thr Ala Ala Ser Phe Thr	35	40	45
His Thr Leu Gly Gly Val Leu Gly Cys Pro Pro Tyr His Lys Phe Tyr	50	55	60
Ser Ser Ala His Thr Ser Asp His Arg Lys Glu Thr Asn Lys Val Glu	65	70	75
Glu Gly Arg Trp Val Asp Val Thr Arg Ser Leu Gly Asn Phe Asn Phe	85	90	95
Arg Arg Lys Phe Phe Cys Val Ser Glu Leu Leu Ile Cys Gly Ile Phe	100	105	110
Leu Asp Ser Ser Trp Lys Leu Gln Ile Asn Ser Asn Asp Cys Lys Val	115	120	125
Leu			

<210> 321
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 321
Val Gly Pro Leu Leu Leu Met Thr Thr Glu Ser Trp Gly Pro Ser Cys
1 5 10 15
Ala Pro Ser Pro Ala Leu Leu Ser Gly His Thr Ala Ala Ser
20 25 30

<210> 322
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 322
Glu Thr Asn Lys Val Glu Glu Gly Arg Trp Val Asp Val Thr Arg Ser
1 5 10 15
Leu Gly Asn Phe Asn Phe Arg Arg Lys Phe Phe
20 25

<210> 323
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 323
Gln Ser Pro Arg Val Arg Ser Leu Gly Asp

1 5 10

<210> 324
<211> 50
<212> PRT
<213> Homo sapiens

<400> 324
Gly Gly Pro Met Lys Asp Cys Glu Tyr Ser Gln Ile Ser Thr His Ser
1 5 10 15
Ser Ser Pro Met Glu Ser Pro His Lys Lys Lys Lys Ile Ala Ala Arg
20 25 30
Arg Lys Trp Glu Val Phe Pro Gly Arg Asn Lys Phe Phe Cys Asn Gly
35 40 45
Arg Ile
50

<210> 325
<211> 21
<212> PRT
<213> Homo sapiens

<400> 325
Ser Gln Ile Ser Thr His Ser Ser Ser Pro Met Glu Ser Pro His Lys
1 5 10 15
Lys Lys Lys Ile Ala
20

<210> 326
<211> 21
<212> PRT
<213> Homo sapiens

<400> 326
Ala Ala Arg Arg Lys Trp Glu Val Phe Pro Gly Arg Asn Lys Phe Phe
1 5 10 15
Cys Asn Gly Arg Ile
20

<210> 327
<211> 27
<212> PRT
<213> Homo sapiens

<400> 327
Pro Pro Phe Pro His Pro Glu Thr Gly Gln Leu Cys Leu Val Asp Ser
1 5 10 15
Ala Pro Arg Pro Leu Gln Pro Tyr Leu Arg Leu
20 25

<210> 328
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 328
 His Pro Met Cys Ala Lys Val Ala Asp Pro Glu Leu Ser Ser Cys Pro
 1 5 10 15
 His Cys Gly Leu Thr Ala Gln Pro Gly Pro Glu Ser Gly Asn Ile Ser
 20 25 30
 His Ser Leu Arg Glu Gly Ser Pro Arg Thr Leu Phe Val Asp Ser Thr
 35 40 45
 Ser Gln Ala Ser Val Pro Ala Ala Glu Cys Pro Gly His Arg Glu Gly
 50 55 60
 Thr Pro Phe Ser Gly Ala Ser Thr Ser Gln Ala Phe
 65 70 75

<210> 329
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 329
 Thr Pro Leu Leu Ser Pro Cys Leu Gln Pro Leu Pro Gly Val
 1 5 10

<210> 330
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 330
 Thr Arg Arg Ser Cys Ser Ser Gln Val Ser Ser
 1 5 10

<210> 331
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 331
 Gly Arg Gly Asp Lys Pro Arg Gln Asp Arg Pro Ala Ser Leu Arg Leu
 1 5 10 15
 Lys Gly Pro Pro Ser Cys Gln Ala Pro Ala Ser His Ser Ser Thr Leu
 20 25 30
 Ser Ser His Cys Pro Cys Ser Leu Phe Ala Cys Gly Ser Val Trp Pro
 35 40 45
 Gly Ser Leu Gly Ser Gly Ile Phe Ala Arg Leu Ser Gln Leu Leu Pro
 50 55 60

Ser Pro Ala Ser Trp Gly Trp Asp Phe Leu Thr Leu Arg Gln Ala Gln
 65 70 75 80
 Gln Met Leu Gly Pro Ser Leu Cys Pro Gly His Ser Thr Ser Ala His
 85 90 95
 Gln His Tyr Gly Ala Tyr Val Leu Pro Arg Asp Leu Cys Ser Phe Leu
 100 105 110
 Leu Thr Ser Thr Val Gln Gly Thr Ala Pro Leu Lys Asn Ser Arg Val
 115 120 125
 Thr Cys Leu Ile Gly Ser Gln Gln Val Pro Leu Cys
 130 135 140

<210> 332
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 332
 Ala Glu Val Thr Ser Pro Ala Lys Thr Asp Leu Gln Val Phe Val Ser
 1 5 10 15
 Arg Asp Leu Pro His Ala Arg Pro Leu Pro Leu Thr Ala Ala Pro Phe
 20 25 30
 Pro Leu Ile Val Pro Val Pro Phe Leu Pro Val Asp Leu Phe Gly Gln
 35 40 45
 Gly Pro Trp Gly Gln Glu Tyr Leu Gln Asp Ser Ala Ser Ser Phe Pro
 50 55 60
 Ala Gln Pro Leu Gly Ala Gly Thr Phe Ser Pro Cys Gly Arg His Asn
 65 70 75 80
 Arg Cys Trp Asp Pro Val Ser Ala Gln Val Thr Ala Gln Val His Ile
 85 90 95
 Ser Thr Met Gly Pro Met Ser Cys Pro Glu Thr Ser Ala Pro Ser Cys
 100 105 110
 Ser His Pro Gln Phe Arg Ala Arg Arg Pro Ser Arg Thr Pro Glu Ser
 115 120 125
 Pro Val Ser Ser Ala Pro Ser Lys Cys Leu Phe Val Tyr Asp Val Pro
 130 135 140
 Leu Leu
 145

<210> 333
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 333

Ser Leu Arg Leu Lys Gly Pro Pro Ser Cys Gln Ala Pro Ala Ser His
 1 5 10 15

Ser Ser Thr Leu Ser Ser His Cys Pro Cys Ser Leu Phe Ala
 20 25 30

<210> 334
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 334
 Gln Gln Met Leu Gly Pro Ser Leu Cys Pro Gly His Ser Thr Ser Ala
 1 5 10 15

His Gln His Tyr Gly Ala Tyr Val Leu Pro Arg Asp Leu Cys
 20 25 30

<210> 335
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 335
 Asp Leu Gln Val Phe Val Ser Arg Asp Leu Pro His Ala Arg Pro Leu
 1 5 10 15

Pro Leu Thr Ala Ala Pro Phe Pro Leu Ile Val Pro Val Pro Phe
 20 25 30

<210> 336
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 336
 Ala Gln Val His Ile Ser Thr Met Gly Pro Met Ser Cys Pro Glu Thr
 1 5 10 15

Ser Ala Pro Ser Cys Ser His Pro Gln Phe Arg Ala Arg Arg Pro Ser
 20 25 30

Arg Thr Pro Glu Ser Pro Val
 35

<210> 337
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 337
 Gln Ala Pro Pro Arg Gln Thr Cys Lys Ser Ser Ser Gln Gly Thr Ser
 1 5 10 15

Leu

<210> 338
 <211> 314
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> misc_feature
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 338
 Ala Ala Leu Arg Pro Ser Gly Ser Leu Ala Gly Pro Glu Trp Pro Trp
 1 5 10 15
 Gln His Trp Cys Gly Cys Trp Arg Glu His Xaa Val Lys Pro Gln Gln
 20 25 30
 Val Asp Leu His Ser Ala Arg Leu Trp Ala Ala Pro Ala Ala Val Gly
 35 40 45
 Pro Ala His Ala Gly Gly Ser Pro Gly Met Pro Pro Gly Gly Thr Ala
 50 55 60
 Pro His Ala Arg Arg His Ser Leu Pro Ser Pro Thr Ala Gln Ser His
 65 70 75 80
 Leu Trp His Val His Gly Leu Arg Gln Arg Gly Pro Lys Ala Val Pro
 85 90 95
 Leu Asp Leu Ala Gln Leu Val Thr Thr Thr Thr Pro Leu Phe Xaa Leu
 100 105 110
 Ala Leu Ser Ala Leu Leu Leu Gly Arg Arg His His Pro Leu Gln Leu
 115 120 125
 Ala Ala Met Gly Pro Leu Cys Leu Gly Ala Ala Cys Ser Leu Ala Gly
 130 135 140
 Glu Phe Arg Thr Pro Pro Thr Gly Cys Gly Phe Leu Leu Ala Ala Thr
 145 150 155 160
 Cys Leu Arg Gly Leu Lys Ser Val Gln Gln Ser Ala Leu Leu Gln Glu
 165 170 175
 Glu Arg Leu Asp Ala Val Thr Leu Leu Tyr Ala Thr Ser Leu Pro Ser
 180 185 190
 Phe Cys Leu Leu Ala Gly Ala Ala Leu Val Leu Glu Ala Gly Val Ala
 195 200 205
 Pro Pro Pro Thr Ala Gly Asp Ser Arg Leu Trp Ala Cys Ile Leu Leu
 210 215 220

Ser Cys Leu Leu Ser Val Leu Tyr Asn Leu Ala Ser Phe Ser Leu Leu
 225 230 235 240
 Ala Leu Thr Ser Ala Leu Thr Val His Val Leu Gly Asn Leu Thr Val
 245 250 255
 Val Gly Asn Leu Ile Leu Ser Arg Leu Leu Phe Gly Ser Arg Leu Ser
 260 265 270
 Ala Leu Ser Tyr Val Gly Ile Ala Leu Thr Leu Ser Gly Met Phe Leu
 275 280 285
 Tyr His Asn Cys Glu Phe Val Ala Ser Trp Ala Ala Arg Arg Gly Leu
 290 295 300
 Trp Arg Arg Asp Gln Pro Ser Lys Gly Leu
 305 310

<210> 339
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 339
 Gly Gln Pro Ser Gly Pro Pro Ala Ala Trp Pro Gly Pro Ser Gly His
 1 5 10 15
 Gly Ser Thr Gly Val Ala Ala Gly Gly Ser Thr Xaa Ser Ser Leu Asn
 20 25 30
 Lys Trp Ile Phe Thr Val His Gly Phe Gly Arg Pro Leu Leu Leu Ser
 35 40 45
 Ala Leu His Met Leu Val Ala Ala Leu Ala Cys His Arg Gly Ala Arg
 50 55 60
 Arg Pro
 65

<210> 340
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 340
 Trp Pro Gly Pro Ser Gly His Gly Ser Thr Gly Val Ala Ala Gly Gly
 1 5 10 15

Ser Thr Xaa Ser Ser
20

<210> 341
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 341
Glu Trp Pro Trp Gln His Trp Cys Gly Cys Trp Arg Glu His Xaa Val
1 5 10 15

Lys Pro Gln Gln Val Asp Leu His Ser Ala
20 25

<210> 342
<211> 28
<212> PRT
<213> Homo sapiens

<400> 342
Gln Gln Ser Ala Leu Leu Gln Glu Glu Arg Leu Asp Ala Val Thr Leu
1 5 10 15

Leu Tyr Ala Thr Ser Leu Pro Ser Phe Cys Leu Leu
20 25

<210> 343
<211> 27
<212> PRT
<213> Homo sapiens

<400> 343
Ala Cys Ile Leu Leu Ser Cys Leu Leu Ser Val Leu Tyr Asn Leu Ala
1 5 10 15

Ser Phe Ser Leu Leu Ala Leu Thr Ser Ala Leu
20 25

<210> 344
<211> 21
<212> PRT
<213> Homo sapiens

<400> 344
Ser Leu Asn Lys Trp Ile Phe Thr Val His Gly Phe Gly Arg Pro Leu
1 5 10 15

Leu Leu Ser Ala Leu
20

<210> 345

<211> 28

<212> PRT

<213> Homo sapiens

<400> 345

Glu Phe Gly Thr Ser Arg Ala Arg Leu Gln Leu Lys Lys Asn Lys Lys
1 5 10 15

Lys Glu Arg Asn Ile Pro Gly Thr Leu Leu Ser Ile
20 25

<210> 346

<211> 17

<212> PRT

<213> Homo sapiens

<400> 346

Lys Ser Thr Leu Ser Ala Ala Val Val Ala Thr Ile Leu Arg Thr Leu
1 5 10 15

Ala

<210> 347

<211> 100

<212> PRT

<213> Homo sapiens

<400> 347

Gly Asp His Ser Glu Gln Cys Leu Ile Lys Glu Met Gly Ala Arg Glu
1 5 10 15

Arg Arg Phe Cys Lys Ala Arg Gly Tyr Arg Asp Thr Gly Arg Glu Ala
20 25 30

Gln Ala Lys Ala Gly Gly Arg Arg Gly Ser Gln Trp Asn Glu Ser Gln
35 40 45

Cys Ser Ser Gln Arg Pro Arg Pro Ala Lys Glu Val Arg Lys Thr Arg
50 55 60

Pro Arg Ala Gly Val Gly Arg Gly Pro Ala Leu Leu Gln Leu Ser Leu
65 70 75 80

Leu Gln Gln Val Val Leu Tyr Val Arg Pro Ser Leu Arg Leu Val Trp
85 90 95

Leu Lys Ala Ser
100

<210> 348

<211> 84

<212> PRT

<213> Homo sapiens

<400> 348

Met Glu Arg Gly Glu Tyr Gly Gly Trp Gly Thr Tyr Gly Ser Leu Asp
1 5 10 15

Leu Gly Ser Gln Leu Cys Thr Val Arg Ser Ser Gly Pro Cys Gly Ser
20 25 30

Leu His Trp Gly Gln His Arg Ser Pro Ile Ser Gly Pro Asp Pro Asn
35 40 45

Pro Ser Ser Ser Arg Gly Gln Gln Ser Ile Gly Ser Lys Val Gly Ser
50 55 60

Pro Ser Arg Ser Gln Trp Arg Ser Trp Lys Glu Val Gly Arg Asp Pro
65 70 75 80

Glu Lys Gly Glu

<210> 349

<211> 23

<212> PRT

<213> Homo sapiens

<400> 349

Gln Ala Lys Ala Gly Gly Arg Arg Gly Ser Gln Trp Asn Glu Ser Gln
1 5 10 15

Cys Ser Ser Gln Arg Pro Arg
20

<210> 350

<211> 26

<212> PRT

<213> Homo sapiens

<400> 350

Val Gly Arg Gly Pro Ala Leu Leu Gln Leu Ser Leu Leu Gln Gln Val
1 5 10 15

Val Leu Tyr Val Arg Pro Ser Leu Arg Leu
20 25

<210> 351

<211> 22

<212> PRT

<213> Homo sapiens

<400> 351

Tyr Gly Ser Leu Asp Leu Gly Ser Gln Leu Cys Thr Val Arg Ser Ser
1 5 10 15

Gly Pro Cys Gly Ser Leu
20

<210> 352

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<211> 20
<212> PRT
<213> Homo sapiens

<400> 352
Lys Val Gly Ser Pro Ser Arg Ser Gln Trp Arg Ser Trp Lys Glu Val
 1             5             10             15

Gly Arg Asp Pro
      20

<210> 353
<211> 33
<212> PRT
<213> Homo sapiens

<400> 353
Ala Arg Gly Phe Phe Phe Tyr Ile Leu Ile Thr Arg Leu Thr Pro Ile
 1             5             10             15

Lys Tyr Asp Val Asn Leu Ile Leu Thr Ala Val Thr Gly Ser Val Gly
      20             25             30

Gly

<210> 354
<211> 214
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 354
Met Pro Gln Ser Leu Ser Ser Leu Ala Ser Ser Ser Ser Ser Phe Gln
 1             5             10             15

Arg Xaa Lys Pro Cys Phe Gly Lys Lys Asn Asp Gly Glu Asn Gln Glu
      20             25             30

His Ser Leu Gly Thr Glu Pro Ile Ile Thr Trp Lys Asp Phe Gln Lys
      35             40             45

Thr Met Pro Trp Glu Ile Val Ile Leu Val Gly Gly Gly Tyr Ala Leu
 50             55             60

Ala Ser Gly Ser Lys Ser Ser Gly Leu Ser Thr Trp Ile Gly Asn Gln
 65             70             75             80

Met Leu Ser Leu Ser Ser Leu Pro Pro Trp Ala Val Thr Leu Leu Ala
      85             90             95

Cys Ile Leu Val Ser Ile Val Thr Glu Phe Val Ser Asn Pro Ala Thr
      100             105             110

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Ile Thr Ile Phe Leu Pro Ile Leu Cys Ser Leu Ser Glu Thr Leu His
 115 120 125
 Ile Asn Pro Leu Tyr Thr Leu Ile Pro Val Thr Met Cys Ile Ser Phe
 130 135 140
 Ala Val Met Leu Pro Val Gly Asn Pro Pro Asn Ala Ile Val Phe Ser
 145 150 155 160
 Tyr Gly His Cys Gln Ile Lys Asp Met Val Lys Ala Gly Leu Gly Val
 165 170 175
 Asn Val Ile Gly Leu Val Ile Val Met Val Ala Ile Asn Thr Trp Gly
 180 185 190
 Val Ser Leu Phe His Leu Asp Thr Tyr Pro Ala Trp Ala Arg Val Ser
 195 200 205
 Asn Ile Thr Asp Gln Ala
 210

<210> 355
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 355
 Asn Asp Gly Glu Asn Gln Glu His Ser Leu Gly Thr Glu Pro Ile Ile
 1 5 10 15
 Thr Trp Lys Asp Phe Gln Lys
 20

<210> 356
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 356
 Ile Gly Asn Gln Met Leu Ser Leu Ser Ser Leu Pro Pro Trp Ala Val
 1 5 10 15
 Thr Leu Leu Ala Cys Ile Leu Val
 20

<210> 357
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 357
 Ala Thr Ile Thr Ile Phe Leu Pro Ile Leu Cys Ser Leu Ser Glu Thr
 1 5 10 15
 Leu His Ile Asn Pro Leu Tyr Thr Leu Ile Pro
 20 25

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<210> 358
<211> 26
<212> PRT
<213> Homo sapiens

<400> 358
Leu Pro Val Gly Asn Pro Pro Asn Ala Ile Val Phe Ser Tyr Gly His
 1             5             10             15

Cys Gln Ile Lys Asp Met Val Lys Ala Gly
          20             25

<210> 359
<211> 29
<212> PRT
<213> Homo sapiens

<400> 359
Leu Val Ile Val Met Val Ala Ile Asn Thr Trp Gly Val Ser Leu Phe
 1             5             10             15

His Leu Asp Thr Tyr Pro Ala Trp Ala Arg Val Ser Asn
          20             25

<210> 360
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 360
Leu Glu His Phe Asn Asn Gln Tyr Pro Ala Ala Glu Val Val Asn Phe
 1             5             10             15

Gly Thr Trp Phe Leu Phe Ser Phe Pro Ile Ser Leu Ile Met Leu Val
          20             25             30

Val Ser Trp Phe Trp Met His Trp Leu Phe Leu Gly Cys Asn Phe Lys
          35             40             45

Glu Thr Cys Ser Leu Ser Lys Lys Lys Lys Thr Lys Arg Glu Gln Leu
          50             55             60

Ser Glu Lys Xaa Xaa Gln Glu Glu Tyr Glu Lys Leu Gly Asp Ile Ser
          65             70             75             80

Tyr Pro Glu

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<210> 361
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 361
 Gln Glu Leu Trp Pro Leu Tyr Met Asp Trp Glu Pro Asp Val Val Pro
 1 5 10 15
 Glu Gln Pro Pro Thr Val Gly Cys His Pro Ala Gly Met His Pro Arg
 20 25 30
 Val His Cys His
 35

<210> 362
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 362
 Ser Thr His Ala Ser Gly Gly Gly Arg Arg Gly Arg Gly Pro Arg Gly
 1 5 10 15
 Glu Glu Thr Gln Pro Arg Gly Trp His Ala Arg Pro Gly Pro Gly Pro
 20 25 30
 Arg Ser Thr Gly Ala
 35

<210> 363
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 363
 Glu Thr Cys Pro Ser Asn Gly Ile Glu Leu Arg Gln Ala Pro Thr Ser
 1 5 10 15
 Leu Tyr Ile Leu Leu Leu His Ile Gln Pro Thr Pro Thr His Pro Met
 20 25 30
 Leu Gly Arg Ser Tyr Val Leu Pro Ala Phe Ser Xaa Asn Xaa Glu His
 35 40 45
 Gly Gly Leu Pro Asn Gln Ile Pro Lys Gly Asp Arg Asn Gly Asn Ile

50 55 60
 Arg His Ser Arg Ile Thr Phe Pro Cys Ser Ser Ser Thr Leu Gln Pro
 65 70 75 80
 Glu Ser His Leu Gly Phe Ile Arg Ser Lys Leu His Gly Leu Val Arg
 85 90 95
 Pro Gly Lys Asp Leu Arg Gly Arg Arg Ser Leu Gln Leu Ser Lys His
 100 105 110
 Ser Leu Ser Thr Cys Tyr Met Leu Arg Trp Glu Thr Tyr Lys Gln Val
 115 120 125
 Ser Tyr Thr Ala Val
 130

<210> 364
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 364
 Gln Arg His Gln Glu Asn Asp Lys Arg Asn Val His Arg Phe Leu His
 1 5 10 15
 Thr Cys Val His Met Pro Met Cys Thr His Thr His Thr Gln Ala Val
 20 25 30
 Leu Ser Thr Trp Glu Gly Gln Phe Ser Asn Val Ala Ser Phe Thr Ser
 35 40 45
 Leu Lys Arg Ile Pro Leu Ser Ile Ile Tyr Ile His Ser Ser His Ser
 50 55 60
 Pro Arg Arg Phe Val Lys Val Cys Gln Leu Arg Gln Glu Lys Ala Leu
 65 70 75 80
 Glu Leu Thr Glu Val Tyr Val Ser Ala Ser Leu Lys Leu Gln Leu Tyr
 85 90 95
 His Leu His Cys His Phe His Thr Ala Val
 100 105

<210> 365
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 365
 Arg Gln Ala Pro Thr Ser Leu Tyr Ile Leu Leu Leu His Ile Gln Pro
 1 5 10 15
 Thr Pro Thr His Pro Met Leu Gly
 20

<210> 366

<211> 25
<212> PRT
<213> Homo sapiens

<400> 366
Ser His Leu Gly Phe Ile Arg Ser Lys Leu His Gly Leu Val Arg Pro
1 5 10 15
Gly Lys Asp Leu Arg Gly Arg Arg Ser
20 25

<210> 367
<211> 22
<212> PRT
<213> Homo sapiens

<400> 367
Arg Asn Val His Arg Phe Leu His Thr Cys Val His Met Pro Met Cys
1 5 10 15
Thr His Thr His Thr Gln
20

<210> 368
<211> 25
<212> PRT
<213> Homo sapiens

<400> 368
Gln Leu Arg Gln Glu Lys Ala Leu Glu Leu Thr Glu Val Tyr Val Ser
1 5 10 15
Ala Ser Leu Lys Leu Gln Leu Tyr His
20 25

<210> 369
<211> 31
<212> PRT
<213> Homo sapiens

<400> 369
Pro Arg Val Arg Gly Arg Lys Glu Pro Gly Cys Leu Gly Pro Gly Arg
1 5 10 15
Ala Gly Gly Asp Ser Gln Lys Glu Ile Gly Ser Trp Gln Gln Met
20 25 30

<210> 370
<211> 296
<212> PRT
<213> Homo sapiens

<400> 370
Leu Ser Lys Gly Asn Arg Ile Met Ala Ala Asp Asp Asp Asn Gly Asp
1 5 10 15

Gly	Thr	Ser	Leu	Phe	Asp	Val	Phe	Ser	Ala	Ser	Pro	Leu	Lys	Asn	Asn	
			20					25					30			
Asp	Glu	Gly	Ser	Leu	Asp	Ile	Tyr	Ala	Gly	Leu	Asp	Ser	Ala	Val	Ser	
		35					40					45				
Asp	Ser	Ala	Ser	Lys	Ser	Cys	Val	Pro	Ser	Arg	Asn	Cys	Leu	Asp	Leu	
	50					55					60					
Tyr	Glu	Glu	Ile	Leu	Thr	Glu	Glu	Gly	Thr	Ala	Lys	Glu	Ala	Thr	Tyr	
65					70					75					80	
Asn	Asp	Leu	Gln	Val	Glu	Tyr	Gly	Lys	Cys	Gln	Leu	Gln	Met	Lys	Glu	
				85					90					95		
Leu	Met	Lys	Lys	Phe	Lys	Glu	Ile	Gln	Thr	Gln	Asn	Phe	Ser	Leu	Ile	
			100					105					110			
Asn	Glu	Asn	Gln	Ser	Leu	Lys	Lys	Asn	Ile	Ser	Ala	Leu	Ile	Lys	Thr	
		115					120					125				
Ala	Arg	Val	Glu	Ile	Asn	Arg	Lys	Asp	Glu	Glu	Ile	Ser	Asn	Leu	His	
	130					135					140					
Gln	Lys	Ile	Val	Leu	Ser	Phe	His	Ile	Phe	Glu	Ile	Ile	Ile	Lys	Leu	
145					150					155					160	
Gln	Gly	His	Leu	Ile	Gln	Leu	Lys	Gln	Lys	Ile	Leu	Asn	Leu	Asp	Leu	
			165					170						175		
His	Ile	Trp	Met	Ile	Val	Gln	Arg	Leu	Ile	Thr	Arg	Ala	Lys	Ser	Asp	
			180					185					190			
Val	Ser	Lys	Asp	Val	His	His	Ser	Thr	Ser	Leu	Pro	Asn	Leu	Glu	Lys	
		195					200					205				
Glu	Gly	Lys	Pro	His	Ser	Asp	Lys	Arg	Ser	Thr	Ser	His	Leu	Pro	Thr	
	210					215					220					
Ser	Val	Glu	Lys	His	Cys	Thr	Asn	Gly	Val	Trp	Ser	Arg	Ser	His	Tyr	
225					230					235					240	
Gln	Val	Gly	Glu	Gly	Ser	Ser	Asn	Glu	Asp	Ser	Arg	Arg	Gly	Arg	Lys	
			245						250					255		
Asp	Ile	Arg	His	Ser	Gln	Phe	Asn	Arg	Gly	Thr	Glu	Arg	Val	Arg	Lys	
			260					265					270			
Asp	Leu	Ser	Thr	Gly	Cys	Gly	Asp	Gly	Glu	Pro	Arg	Ile	Leu	Glu	Ala	
	275						280					285				
Ser	Gln	Arg	Leu	Gln	Gly	Thr	Ser									
	290					295										

<210> 371

<211> 27

<212> PRT

<213> Homo sapiens

<400> 371
 Asn Arg Ile Met Ala Ala Asp Asp Asp Asn Gly Asp Gly Thr Ser Leu
 1 5 10 15
 Phe Asp Val Phe Ser Ala Ser Pro Leu Lys Asn
 20 25

<210> 372
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 372
 Cys Leu Asp Leu Tyr Glu Glu Ile Leu Thr Glu Glu Gly Thr Ala Lys
 1 5 10 15
 Glu Ala Thr Tyr Asn Asp Leu
 20

<210> 373
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 373
 Asp Glu Glu Ile Ser Asn Leu His Gln Lys Ile Val Leu Ser Phe His
 1 5 10 15
 Ile Phe Glu Ile Ile Ile Lys Leu Gln Gly
 20 25

<210> 374
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 374
 Glu Lys Glu Gly Lys Pro His Ser Asp Lys Arg Ser Thr Ser His Leu
 1 5 10 15
 Pro Thr Ser Val Glu Lys
 20

<210> 375
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 375
 Thr Glu Arg Val Arg Lys Asp Leu Ser Thr Gly Cys Gly Asp Gly Glu
 1 5 10 15
 Pro Arg Ile Leu Glu Ala Ser Gln Arg Leu
 20 25

<210> 376
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 376
 Lys Ser Tyr Phe Arg Thr Met Gly Gly Thr Lys Arg Gly Ile Lys Lys
 1 5 10 15
 Leu Val Asn Val Cys Leu Lys His Pro Lys Asn Thr Ser Leu Ser Gln
 20 25 30
 Gln Leu Val Phe Ala Lys Ile Asn Lys Ile Leu Ile Ser Lys Thr Thr
 35 40 45
 Lys Ser Thr Asn Leu Lys Gly Leu Lys Cys Leu Pro Pro Leu Ser Val
 50 55 60
 Ser Ile His Pro Thr Phe Ile Tyr Tyr Lys His Asn Thr Thr Leu Arg
 65 70 75 80
 Ile Val Phe Gly Thr Tyr Phe Asp Phe Phe Pro Tyr Arg Lys Asn Lys
 85 90 95
 Asp Gln Ala Phe Glu Gly Glu Asp Trp Glu Ser Ser Leu Asn Val Ser
 100 105 110
 Asp Ala Trp
 115

<210> 377
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 377
 Thr Lys Arg Gly Ile Lys Lys Leu Val Asn Val Cys Leu Lys His Pro
 1 5 10 15
 Lys Asn Thr Ser Leu Ser
 20

<210> 378
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 378
 Ser Ile His Pro Thr Phe Ile Tyr Tyr Lys His Asn Thr Thr Leu Arg
 1 5 10 15
 Ile Val Phe Gly Thr Tyr Phe Asp Phe Phe
 20 25

<210> 379
 <211> 56
 <212> PRT

<213> Homo sapiens

<400> 379

Thr Arg Pro Arg Arg His Leu Gly Gly Gln Pro Gly Ala Leu His Gly
1 5 10 15
Gln Ala Ala Cys Val His Val Pro Cys Leu Val Pro Leu Cys Pro Pro
20 25 30
Pro Ala Asn Leu Thr Gly Ser Pro His Asn Ser Ala Leu Gln Lys Gln
35 40 45
Pro Leu Gly Gly Arg Gly Arg Lys
50 55

<210> 380

<211> 21

<212> PRT

<213> Homo sapiens

<400> 380

Gln Pro Gly Ala Leu His Gly Gln Ala Ala Cys Val His Val Pro Cys
1 5 10 15
Leu Val Pro Leu Cys
20

<210> 381

<211> 21

<212> PRT

<213> Homo sapiens

<400> 381

Cys Pro Pro Pro Ala Asn Leu Thr Gly Ser Pro His Asn Ser Ala Leu
1 5 10 15
Gln Lys Gln Pro Leu
20

<210> 382

<211> 28

<212> PRT

<213> Homo sapiens

<400> 382

Pro Asp Ala Gly Thr Ala Ser Ser Gln Arg Glu Pro Arg Arg Cys Arg
1 5 10 15
Ala Gly Glu Ala Pro Ser Leu Pro Ala Cys Ala Pro
20 25

<210> 383

<211> 40

<212> PRT

<213> Homo sapiens

<400> 383
Phe Leu Ile His Leu Glu Val Ile Trp Glu Leu Gly Cys Phe Ser Pro
1 5 10 15
Lys Ala Lys Ala Ile Ala Ser Thr Pro Val Ile Lys Gly Ser Leu Gln
20 25 30
Ile Tyr Phe Pro Cys Arg Ser Glu
35 40

<210> 384
<211> 32
<212> PRT
<213> Homo sapiens

<400> 384
His Glu Ser Lys Glu Lys Cys Pro Pro Gly Pro Leu His Gln Arg Cys
1 5 10 15
Val Phe Asn Ser Ser Gly Ala Gly Arg Val Met Ala Thr Arg Lys Arg
20 25 30

<210> 385
<211> 27
<212> PRT
<213> Homo sapiens

<400> 385
Lys Arg Thr Leu Leu Gln Arg Leu Asp Trp Ser Tyr Trp Val Asp Ser
1 5 10 15
Trp Glu His Gln His Ser Leu His Asn Gly Trp
20 25

<210> 386
<211> 12
<212> PRT
<213> Homo sapiens

<400> 386
Gly Pro Arg Gly Val Gly Asp Gly Gly Val Ser Ser
1 5 10

<210> 387
<211> 70
<212> PRT
<213> Homo sapiens

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 <400> 387
 Gln Arg Pro His Pro Gln Pro Trp Xaa Pro Met Thr Leu Met Gly Thr
 1 5 10 15
 Gly Ile Pro Val Phe Ala His Lys Met Leu Pro Phe Asp Pro Pro Cys
 20 25 30
 His Leu Ser Cys Thr His Ile Asn Pro Lys Pro Xaa Xaa Pro Gln Gly
 35 40 45
 Asp Glu Gln Lys Ser Gln Gly Thr Glu Glu Trp Cys Asp Arg Glu Gly
 50 55 60
 Lys Lys Arg Arg Ser Ile
 65 70

 <210> 388
 <211> 21
 <212> PRT
 <213> Homo sapiens

 <400> 388
 Pro Met Thr Leu Met Gly Thr Gly Ile Pro Val Phe Ala His Lys Met
 1 5 10 15
 Leu Pro Phe Asp Pro
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 <210> 389
 <211> 21
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 389
 Pro Pro Cys His Leu Ser Cys Thr His Ile Asn Pro Lys Pro Xaa Xaa
 1 5 10 15
 Pro Gln Gly Asp Glu

<210> 390
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 390
 Glu Gln Lys Ser Gln Gly Thr Glu Glu Trp Cys Asp Arg Glu Gly Lys
 1 5 10 15
 Lys Arg Arg Ser Ile
 20

<210> 391
 <211> 70
 <212> PRT
 <213> Homo sapiens

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 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 391
 Asp Glu Trp Gly Ala Gly Arg Arg Met Glu Trp Glu Asp Asn Leu Pro
 1 5 10 15
 Leu Glu Phe Ser Cys Pro Val Thr Lys Leu Leu Ser Val Pro Ser Trp
 20 25 30
 Thr Pro Leu Asp Ala Gln Met Leu Leu Leu Phe Phe Pro Ser Leu Ser
 35 40 45
 His His Ser Ser Val Pro Trp Leu Phe Cys Ser Ser Pro Cys Gly Xaa
 50 55 60
 Xaa Gly Leu Gly Phe Ile
 65 70

<210> 392
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 392
 Glu Trp Glu Asp Asn Leu Pro Leu Glu Phe Ser Cys Pro Val Thr Lys
 1 5 10 15
 Leu Leu Ser Val Pro
 20

<210> 393
 <211> 21
 <212> PRT
 <213> Homo sapiens

 <400> 393
 Pro Ser Trp Thr Pro Leu Asp Ala Gln Met Leu Leu Leu Phe Phe Pro
 1 5 10 15

 Ser Leu Ser His His
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<210> 394
 <211> 21
 <212> PRT
 <213> Homo sapiens

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<400> 394
 His Ser Ser Val Pro Trp Leu Phe Cys Ser Ser Pro Cys Gly Xaa Xaa
 1 5 10 15

 Gly Leu Gly Phe Ile
 20

<210> 395
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 395
 Ile Thr Glu Val Arg Lys Asp Asp Leu Lys Val Val Arg Ile
 1 5 10

<210> 396
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 396
 Gln Gly Leu Ser His Ile Phe Trp Met Asn Glu Gln Thr Leu Lys
 1 5 10 15

<210> 397
 <211> 32
 <212> PRT

<213> Homo sapiens

<400> 397

Thr Leu Val Cys Leu Gly Val Ser Ser Glu Glu Gly Ser Cys Pro Arg
1 5 10 15

Asp Val Thr Gly Pro Gly Cys Cys Phe Ser Leu Thr Leu Thr Gly Phe
20 25 30

<210> 398

<211> 233

<212> PRT

<213> Homo sapiens

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<222> (57)

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<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 398

Ala Asp Leu Ile Val Leu Trp His His His Pro Leu Trp Pro Gln His
1 5 10 15

Leu Ala Leu Pro Ser Ser Gly Ala Ser His Asp His Val Glu Leu Thr
20 25 30

Val Tyr Pro Lys Thr Val Ala Ala Ser Trp Leu Leu Glu Leu Ser Arg
35 40 45

Pro Pro Ile Phe Cys Leu Phe Thr Xaa Pro Ala Leu Thr Xaa His Gly
50 55 60

Leu Asp Arg Val Ala Ala Leu Val Glu Cys Thr Ile Trp Xaa Xaa Xaa
 65 70 75 80
 Gly Met Trp Tyr Arg Arg Arg Tyr Ser Cys Cys Gln Phe Arg Asp Arg
 85 90 95
 Ser Ile Arg Asp Val Phe Pro Glu Ala Val Met Leu Gln Gln His Leu
 100 105 110
 Arg His Leu Ala Val Ala Thr Tyr Arg Cys Arg Arg Arg Ser Pro Cys
 115 120 125
 Lys Ala Pro Thr Val Glu Glu Ala Glu Gly Gly Lys Pro Arg Ala Val
 130 135 140
 Pro Ser Gly Thr Gly Phe Gln Lys His Gly Gln Glu Pro Gly Gly Ser
 145 150 155 160
 Thr Ser Pro His Trp Phe Trp Gly His Leu Gln Leu Leu Val Leu Ser
 165 170 175
 Val Asn Asn Arg Gln Leu Phe Val Gln Gly Arg Ala Gly Tyr Leu Glu
 180 185 190
 Met Thr Gly Leu Pro Cys Pro Lys Leu Leu Leu Thr Leu Leu Arg Gly
 195 200 205
 Leu Thr Pro Gly Val Gly His Gly Leu Cys Ala Tyr Arg Arg Gly Cys
 210 215 220
 Leu Ala Trp Arg Leu Asp Xaa Ala Ser
 225 230

<210> 399

<211> 176

<212> PRT

<213> Homo sapiens

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<222> (70)

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<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> misc_feature

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 399

Ile Leu Trp Arg Gln Ala Pro Glu Ala Pro His Cys Ser Gln Asp Ser
 1 5 10 15

Val Ser Ser Ser Pro Arg Leu Gln Glu Asp Leu Ala His Val Thr Gln

20	25	30
Val Thr Arg His Pro His Phe Arg Ser Leu Pro Ser Ala Trp Cys Ser		
35	40	45
His Ser Ser Leu Leu Pro Val Ser Leu Pro Arg His Ala Leu Ala Thr		
50	55	60
Lys Ser Pro Asn Met Xaa Xaa Ser Ser Pro Ile Leu His Leu Ile Gln		
65	70	75
Phe Thr Gly Gln Ile Ser Ser Pro Leu Gly Gly Xaa Val Gln Pro Pro		
85	90	95
Gly Gln Thr Ala Ser Pro Ile Cys Thr Gln Pro Met Ser His Pro Arg		
100	105	110
Arg Gln Ala Ser Gln Gln Cys Glu Gln Gln Leu Trp Thr Gly Gln Thr		
115	120	125
Ser His Leu Gln Ile Pro Cys Pro Ala Leu Asn Lys Glu Leu Pro Val		
130	135	140
Val Asp Thr Gln Asp Lys Glu Leu Gln Met Ser Pro Glu Pro Met Trp		
145	150	155
Gly Cys Gly Pro Ser Arg Leu Leu Pro Met Leu Leu Glu Ser Cys Ala		
165	170	175

<210> 400
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 400
 Met Leu Gln Gln His Leu Arg His Leu Ala Val Ala Thr Tyr Arg Cys
 1 5 10 15
 Arg Arg Arg Ser Pro Cys Lys Ala Pro Thr Val Glu Glu Ala Glu Gly
 20 25 30
 Gly Lys

<210> 401
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 401
 Val Thr Gln Val Thr Arg His Pro His Phe Arg Ser Leu Pro Ser Ala
 1 5 10 15
 Trp Cys Ser His Ser Ser Leu Leu Pro Val Ser Leu Pro
 20 25

<210> 402
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 402
 Gly Gln Thr Ala Ser Pro Ile Cys Thr Gln Pro Met Ser His Pro Arg
 1 5 10 15
 Arg Gln Ala Ser Gln Gln Cys Glu Gln Gln Leu Trp
 20 25

<210> 403
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 403
 Phe Ile Thr Leu Arg Leu Gly Pro Lys Asn Met Ala Gly Val Leu Trp
 1 5 10 15
 Arg His Ser Asn Leu Gln Thr Pro His Tyr Ile Ser Trp Cys Pro Leu
 20 25 30
 Leu Asn Tyr Arg Glu Thr Gly Asn Cys Leu Leu His Val Ser Gly Phe
 35 40 45
 Leu Asn Ser Arg Leu Leu Ala Asn Cys Ser Gly Glu Ala Ser Gly Lys
 50 55 60
 Val Ile Gln Thr Leu Leu Trp Pro Gly Glu Ile Ser Ala Val Ala
 65 70 75

<210> 404
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 404
 Lys Ile Arg Thr Phe Leu Phe Ser Gly His Arg Leu Phe Ser Thr Gln
 1 5 10 15
 Gly Gln Ser Leu Thr Val Lys Ala His Thr Ala Phe Met Leu Ile Val
 20 25 30
 Lys Asn Leu Arg Tyr Phe Ile Ala Phe Lys Phe Leu Met Gly Ile Ser
 35 40 45
 Asp Ser Ser Glu Ile Gly Leu Val Met Gln Pro Leu Gln Lys Pro His
 50 55 60
 Thr Val Ile Leu Ile Arg Gly Ile Glu Phe Leu Ser Pro Gly Gly Val
 65 70 75 80
 Leu Pro

<210> 405
<211> 26
<212> PRT
<213> Homo sapiens

<400> 405
Met Ala Gly Val Leu Trp Arg His Ser Asn Leu Gln Thr Pro His Tyr
1 5 10 15
Ile Ser Trp Cys Pro Leu Leu Asn Tyr Arg
20 25

<210> 406
<211> 29
<212> PRT
<213> Homo sapiens

<400> 406
Tyr Phe Ile Ala Phe Lys Phe Leu Met Gly Ile Ser Asp Ser Ser Glu
1 5 10 15
Ile Gly Leu Val Met Gln Pro Leu Gln Lys Pro His Thr
20 25

<210> 407
<211> 8
<212> PRT
<213> Homo sapiens

<400> 407
Pro Phe Gly Leu Leu Val Leu Pro
1 5

<210> 408
<211> 152
<212> PRT
<213> Homo sapiens

<400> 408
Gly Phe Ser Arg Asp Thr Ser Val Leu Ser His Phe Ala Phe Asn Ser
1 5 10 15
Ala Ser Pro Pro Lys Ser Tyr Ile Arg Gly Lys Leu Gly Leu Glu Glu
20 25 30
Tyr Ala Val Phe Tyr Pro Pro Asn Gly Val Ile Pro Phe His Gly Phe
35 40 45
Ser Met Tyr Val Ala Pro Leu Cys Phe Leu Tyr His Glu Pro Ser Lys
50 55 60
Leu Tyr Gln Ile Phe Arg Glu Met Tyr Val Arg Phe Phe Phe Arg Leu
65 70 75 80
His Ser Ile Ser Ser His Pro Ser Gly Ile Val Ser Leu Cys Leu Leu

	85		90		95
Phe Glu Thr	Leu Leu Gln Thr Tyr	Leu Pro Gln Leu Phe Tyr	His Leu		
	100	105	110		
Arg Glu Ile	Gly Ala Gln Pro Leu Arg Ile Ser Phe Lys Trp Met Val				
	115	120	125		
Arg Ala Phe Ser Gly Tyr Leu Ala Thr Asp Gln Leu Leu Leu Leu Trp					
	130	135	140		
Asp Arg Ile Leu Gly Tyr Asn Ser					
145	150				

<210> 409
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 409									
Leu Cys Gln Arg Gly Trp Ala Gly Gln Pro Gly Ile Leu Thr Asp Gly									
1		5			10			15	
His Pro Leu Pro Gly Gln Ala Ala Ser Arg Ser His Gln Gly Pro Val									
	20		25				30		
Gly Pro Gly Phe Ser Ala Asn									
	35								

<210> 410
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 410									
Gln Pro Gly Ile Leu Thr Asp Gly His Pro Leu Pro Gly Gln Ala Ala									
1		5			10			15	
Ser Arg Ser His Gln									
	20								

<210> 411
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 411	
Leu Leu Arg Pro Ile Leu	
1	5

<210> 412
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 412

Ala Arg Ala Asp Arg Ala Arg Gly Ala Ala Ala Gly Arg Ser Gly Arg
1 5 10 15
Ala Ala Ala Ala Pro Trp Thr Pro Val Ser Ser Leu Ser Ser Ser Leu
20 25 30
Thr Glu Trp Pro Pro Pro Lys Cys Cys Gln Pro Arg Lys Pro Pro Ala
35 40 45
Leu Thr Met Ser Ile
50

<210> 413
<211> 21
<212> PRT
<213> Homo sapiens

<400> 413
Ala Ala Ala Gly Arg Ser Gly Arg Ala Ala Ala Ala Pro Trp Thr Pro
1 5 10 15
Val Ser Ser Leu Ser
20

<210> 414
<211> 21
<212> PRT
<213> Homo sapiens

<400> 414
Ser Ser Ser Leu Thr Glu Trp Pro Pro Pro Lys Cys Cys Gln Pro Arg
1 5 10 15
Lys Pro Pro Ala Leu
20

<210> 415
<211> 137
<212> PRT
<213> Homo sapiens

<400> 415
Glu Tyr Phe Leu Glu Phe Val Phe Ser Leu Ile Trp Ile Leu Ser His
1 5 10 15
Cys Ser Ile Leu Leu Ser Ser Ala Val Cys Asp Pro Gly Asn Ile Arg
20 25 30
Val Thr Glu Ala Pro Lys His Pro Ile Ser Glu Glu Leu Glu Thr Pro
35 40 45
Ile Lys Asp Ser His Leu Ile Pro Thr Pro Gln Ala Pro Ser Ile Ala
50 55 60
Phe Pro Leu Ala Asn Pro Pro Val Ala Pro His Pro Arg Glu Lys Ile
65 70 75 80

Ile Thr Ile Glu Glu Thr His Glu Glu Leu Lys Lys Gln Tyr Ile Phe
85 90 95

Gln Leu Ser Ser Leu Asn Pro Gln Glu Arg Ile Asp Tyr Cys His Leu
100 105 110

Ile Glu Lys Leu Gly Thr Ser Ile Leu Leu Lys Ser Lys Met Ser His
115 120 125

Ile Ile Thr Ile Phe Gly Ser Gln Met
130 135

<210> 416

<211> 21

<212> PRT

<213> Homo sapiens

<400> 416

Leu Ile Trp Ile Leu Ser His Cys Ser Ile Leu Leu Ser Ser Ala Val
1 5 10 15

Cys Asp Pro Gly Asn
20

<210> 417

<211> 21

<212> PRT

<213> Homo sapiens

<400> 417

Asn Ile Arg Val Thr Glu Ala Pro Lys His Pro Ile Ser Glu Glu Leu
1 5 10 15

Glu Thr Pro Ile Lys
20

<210> 418

<211> 20

<212> PRT

<213> Homo sapiens

<400> 418

Lys Asp Ser His Leu Ile Pro Thr Pro Gln Ala Pro Ser Ile Ala Phe
1 5 10 15

Pro Leu Ala Asn
20

<210> 419

<211> 21

<212> PRT

<213> Homo sapiens

<400> 419

Asn Pro Pro Val Ala Pro His Pro Arg Glu Lys Ile Ile Thr Ile Glu
1 5 10 15

Glu Thr His Glu Glu
20

<210> 420
<211> 21
<212> PRT
<213> Homo sapiens

<400> 420
Glu Leu Lys Lys Gln Tyr Ile Phe Gln Leu Ser Ser Leu Asn Pro Gln
1 5 10 15

Glu Arg Ile Asp Tyr
20

<210> 421
<211> 6
<212> PRT
<213> Homo sapiens

<400> 421
Ile Asn Ile Cys Ile Tyr
1 5

<210> 422
<211> 11
<212> PRT
<213> Homo sapiens

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<400> 422
Leu Gln Glu Ser Ala Xaa Gln Phe Ser Ser Ser
1 5 10

<210> 423
<211> 75
<212> PRT
<213> Homo sapiens

<400> 423
Asn Leu His Gly Cys His Gly Lys Phe Gln Glu His Asn Leu Lys Val
1 5 10 15

Asn Cys Met Thr Leu Phe Cys Val Ser Leu Thr Thr Thr His Ser Val
20 25 30

Ser Leu Lys Val Thr Val Tyr Ile Thr Val Ser Ile Leu Cys Met Pro
35 40 45

Asp Thr Gln Asp Ser Asn Phe Ser Phe Pro Leu Asp Thr Thr Tyr Leu
50 55 60

Val Ile Asn Phe Gly Ser Thr Tyr Ser Thr Lys
65 70 75

<210> 424
<211> 30
<212> PRT
<213> Homo sapiens

<400> 424
Leu Phe Cys Val Ser Leu Thr Thr Thr His Ser Val Ser Leu Lys Val
1 5 10 15

Thr Val Tyr Ile Thr Val Ser Ile Leu Cys Met Pro Asp Thr
20 25 30

<210> 425
<211> 11
<212> PRT
<213> Homo sapiens

<400> 425
Leu Leu Asn Pro Lys Ala Ser Leu His Ser Ala
1 5 10

<210> 426
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 426
Asp Pro Arg Val Arg Ala Ser Val Gly Arg Cys Val Arg Ala Ala Gly
1 5 10 15

Phe Xaa Leu Ala
20

<210> 427
<211> 87
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<222> (83)
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<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 427
Pro Tyr Arg Gly Gly Xaa Pro Tyr His Leu Pro Glu Ser Pro Pro Lys
 1           5           10           15

Arg Val Pro Trp Gln Glu His Ala Pro Arg Gln Val Cys Trp Arg Leu
      20           25           30

Cys Pro Ile Arg Xaa Gly Leu Glu Glu Lys Gly Gly Arg His Gln Ser
 35           40           45

Gln Glu Pro Gly Met Xaa Gly Ser Cys Trp Ala Phe Ser Xaa Thr Gly
 50           55           60

Asn Val Glu Gly Gln Trp Phe Leu Lys Gln Gly Pro Xaa Leu Pro Leu
 65           70           75           80

Arg Xaa Xaa Xaa Leu Gly Leu
      85

<210> 428
<211> 304
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<220>
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<400> 428
Arg Pro Thr Arg Pro Arg Val Arg Arg Ser Val Arg Pro Gly Arg Arg
 1             5             10             15

Leu Arg Pro Arg His Gly Thr Leu Ala Ala Ala Val Xaa Ala Gly
      20             25             30

Ala Ala Pro Gly Xaa Arg Ser Arg Pro Ala Pro Pro Ser Ser Arg Arg
      35             40             45

Ser Gly Pro Gly Gly Gly Val Pro Gly Ala Ala Gly Ala Arg Pro Leu
 50             55             60

Arg Ala Gly Asp Val Gln Pro Arg Pro Gly Ser Arg Xaa Ala Gly Asp
 65             70             75             80

Ala Gly Gly Arg Ala Arg Ser Arg Pro Pro Gly Gly Arg Gly Val Ala
      85             90             95

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Val	Leu	Pro	Glu	Gly	Asp	Pro	Gly	Gly	Ala	Ser	Leu	Gln	Arg	Xaa	His	100	105	110
Gly	Val	Pro	Ala	Pro	Cys	Val	Xaa	Glu	Thr	Leu	Leu	Cys	Ser	Phe	Glu	115	120	125
Val	Leu	Asp	Glu	Leu	Gly	Lys	His	Met	Leu	Leu	Arg	Arg	Asp	Cys	Gly	130	135	140
Pro	Val	Asp	Thr	Lys	Val	Thr	Asp	Asp	Lys	Asn	Glu	Thr	Leu	Ser	Ser	145	150	155
Val	Leu	Pro	Leu	Leu	Asn	Lys	Glu	Pro	Leu	Pro	Gln	Asp	Phe	Ser	Val	165	170	175
Lys	Met	Ala	Ser	Ile	Phe	Lys	Glu	Phe	Val	Thr	Thr	Tyr	Asn	Arg	Thr	180	185	190
Tyr	Glu	Ser	Lys	Glu	Glu	Thr	Gln	Trp	Arg	Met	Ser	Val	Phe	Ser	Asn	195	200	205
Asn	Met	Met	Arg	Ala	Gln	Lys	Ile	Gln	Ala	Leu	Asp	Arg	Gly	Thr	Ala	210	215	220
Gln	Tyr	Gly	Val	Thr	Lys	Phe	Ser	Asp	Leu	Thr	Glu	Glu	Glu	Phe	His	225	230	235
Thr	Ile	Tyr	Leu	Asn	Pro	Leu	Leu	Arg	Glu	Tyr	His	Gly	Lys	Asn	Met	245	250	255
Arg	Leu	Asp	Lys	Ser	Ala	Gly	Asp	Ser	Ala	Pro	Ser	Glu	Trp	Asp	Trp	260	265	270
Xaa	Xaa	Lys	Gly	Xaa	Val	Thr	Lys	Val	Lys	Asn	Gln	Ala	Cys	Xaa	Ala	275	280	285
Pro	Ala	Gly	Leu	Ser	Gln	Ser	Leu	Val	Thr	Trp	Arg	Ala	Ser	Gly	Ser	290	295	300

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<211> 85

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<220>

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<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 429

Thr Leu Ala Ala Ala Val Xaa Ala Gly Ala Ala Pro Gly Xaa Arg
1 5 10 15
Ser Arg Pro Ala Pro Pro Ser Ser Arg Arg Ser Gly Pro Gly Gly Gly
20 25 30
Val Pro Gly Ala Ala Gly Ala Arg Pro Leu Arg Ala Gly Asp Val Gln
35 40 45
Pro Arg Pro Gly Ser Arg Xaa Ala Gly Asp Ala Gly Gly Arg Ala Arg
50 55 60
Ser Arg Pro Pro Gly Gly Arg Gly Val Ala Val Leu Pro Glu Gly Asp
65 70 75 80
Pro Gly Gly Ala Ser
85

<210> 430

<211> 119

<212> PRT

<213> Homo sapiens

<400> 430

Ser Phe Glu Val Leu Asp Glu Leu Gly Lys His Met Leu Leu Arg Arg
1 5 10 15
Asp Cys Gly Pro Val Asp Thr Lys Val Thr Asp Asp Lys Asn Glu Thr
20 25 30
Leu Ser Ser Val Leu Pro Leu Leu Asn Lys Glu Pro Leu Pro Gln Asp
35 40 45
Phe Ser Val Lys Met Ala Ser Ile Phe Lys Glu Phe Val Thr Thr Tyr
50 55 60
Asn Arg Thr Tyr Glu Ser Lys Glu Glu Thr Gln Trp Arg Met Ser Val
65 70 75 80
Phe Ser Asn Asn Met Met Arg Ala Gln Lys Ile Gln Ala Leu Asp Arg
85 90 95
Gly Thr Ala Gln Tyr Gly Val Thr Lys Phe Ser Asp Leu Thr Glu Glu
100 105 110
Glu Phe His Thr Ile Tyr Leu
115

<210> 431

<211> 11

<212> PRT

<213> Homo sapiens

<400> 431

Thr Ser His Pro Leu Gly Gly Gly Val Glu Arg
1 5 10

<210> 432

<211> 9

<212> PRT

<213> Homo sapiens

<400> 432

Ala Cys Cys Cys Leu Glu Trp Ala Gly
1 5

<210> 433

<211> 43

<212> PRT

<213> Homo sapiens

<400> 433

Ser Ala Glu Gln Lys Thr Arg Leu His Leu Leu Tyr Lys Thr Glu Leu
1 5 10 15

Tyr Phe Ser Phe Ile Ile Ser Arg Val Ala Val Leu Leu Val Leu Ile
20 25 30

His Trp Arg Gly Gly Ile Arg Thr Asp Val Ser
35 40

<210> 434

<211> 23

<212> PRT

<213> Homo sapiens

<400> 434

Thr Leu Gln Asn Ile Tyr Pro Leu Leu Ile Asp Ala Ser Leu Tyr Ile
1 5 10 15

Cys Val Tyr Ile His Thr Tyr
20

<210> 435

<211> 99

<212> PRT

<213> Homo sapiens

<400> 435

Met Cys Cys Cys Leu Cys Cys Thr Ser Trp Ser Gly Ser Thr Ser Thr
1 5 10 15

Glu Arg Val Ser Gly Thr Arg Phe Arg Glu Val Pro Thr Ala Ser Cys
20 25 30

Ser Ser Ser Ala Pro Ala Pro Ser Glu Leu Gly Ser Ser Leu Ser Val
35 40 45

Ala Ala Ala Ala Leu Leu Ser Leu Pro Pro Arg Ala Arg Leu Ala Leu
50 55 60

Pro Arg Leu Pro Arg Leu Pro Ser Gln Glu Asn Leu Arg Asn Pro Lys
65 70 75 80

Gly Pro Gln Gly Asn Phe Gln Ala Pro Gly Ala Phe Val Leu Ser Ser
85 90 95

Ser Val Ala

<210> 436

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 436

Cys Ala Ala Ala Ser Ala Val Pro Pro Gly Pro Glu Ala His Gln Gln
1 5 10 15

Ser Gly Tyr Arg Glu His Val Ser Gly Arg Cys Gln Leu His His Val
20 25 30

Arg Pro Leu His Pro Arg Arg Pro Asn Ser Ala Leu Leu Ser Leu Leu
35 40 45

Leu Leu Leu Leu Phe Ser Ala Ser His Gln Glu Pro Gly Trp His Ser
50 55 60

Gln Gly Ser Arg Ala Phe Gln Ala Arg Arg Ile Ser Gly Ile Pro Arg
65 70 75 80

Asp Pro Arg Gly Thr Ser Lys His Leu Glu Leu Leu Ser Phe Leu Val
85 90 95

Leu Trp His Arg Cys Cys Leu Pro Gly Gly Arg Xaa Phe Cys Glu Ser
100 105 110

Leu Xaa Gln Gly Arg Ser Ala Cys Leu Leu His Gln Lys Pro Pro Leu
115 120 125

Leu Met Leu Ser Ala Pro Leu Gly Glu Gln Leu Pro Thr Gln Leu Leu
130 135 140

Leu Pro Pro Arg Ser Ser Gly Ser Lys Phe Xaa Arg Tyr Gln Arg Pro

145		150		155		160									
Gly	Pro	Arg	Val	Gly	Val	His	Leu	His	Lys	Gly	Ser	Ser	Glu	Ile	Arg
				165					170					175	
Glu	Ala	Gly	Gly	Pro	Gln	Leu	Trp	Pro	Gln	Cys	Pro	His	Pro	Val	Asp
			180					185					190		
Leu	Asp	Val	Leu	Arg	Thr	Thr	Gln	His	Cys	Leu	Gln	Ser	Glu	Gly	Pro
		195					200					205			
Thr	Ser	Val	His	Leu	Ser	Ser	Val								
	210					215									

<210> 437
 <211> 147
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 437
 Glu Val Glu Glu Ala Glu Leu Ala Ala Ala Leu Pro Met Glu Pro Arg
 1 5 10 15
 Ala Ser Ile Ala Gly Ala Ser Gly Ala Ala Asp Met His Phe Cys Pro
 20 25 30
 Ala Xaa Gly Thr His Arg Xaa Ala Tyr Pro Gln Glu Gly Ser Thr Tyr
 35 40 45
 Ala Thr Glu Leu Glu Arg Thr Lys Ala Pro Gly Ala Trp Lys Phe Pro
 50 55 60
 Trp Gly Pro Leu Gly Phe Leu Arg Phe Ser Trp Leu Gly Arg Arg Gly
 65 70 75 80
 Ser Leu Gly Ser Ala Ser Arg Ala Leu Gly Gly Arg Leu Arg Arg Ala
 85 90 95
 Ala Ala Ala Thr Glu Arg Glu Glu Pro Ser Ser Asp Gly Ala Gly Ala
 100 105 110
 Glu Asp Glu His Asp Ala Val Gly Thr Ser Leu Lys Arg Val Pro Asp
 115 120 125
 Thr Arg Ser Val Asp Val Leu Pro Asp Gln Glu Val Gln Gln Arg Gln
 130 135 140
 Gln His Ile
 145

<210> 438

<211> 31

<212> PRT

<213> Homo sapiens

<400> 438

Arg Arg Ile Ser Gly Ile Pro Arg Asp Pro Arg Gly Thr Ser Lys His
1 5 10 15

Leu Glu Leu Leu Ser Phe Leu Val Leu Trp His Arg Cys Cys Leu
20 25 30

<210> 439

<211> 29

<212> PRT

<213> Homo sapiens

<400> 439

Arg Thr Lys Ala Pro Gly Ala Trp Lys Phe Pro Trp Gly Pro Leu Gly
1 5 10 15

Phe Leu Arg Phe Ser Trp Leu Gly Arg Arg Gly Ser Leu
20 25

<210> 440

<211> 31

<212> PRT

<213> Homo sapiens

<400> 440

Asp Val Leu Leu Pro Leu Leu Tyr Leu Leu Val Arg Lys His Ile Asn
1 5 10 15

Arg Ala Gly Ile Gly Asn Thr Phe Gln Gly Gly Ala Asn Cys Ile
20 25 30

<210> 441

<211> 11

<212> PRT

<213> Homo sapiens

<400> 441

Pro Arg Leu Ala Gln Leu Arg Leu Leu Ser Leu
1 5 10

<210> 442

<211> 178

<212> PRT

<213> Homo sapiens

<400> 442

Gln Ser Asp Phe Arg Glu Met Asn Gln Thr Asn Ser Thr Ser Asn Ala
1 5 10 15

Ala Lys Ala Arg Glu Ala Gln Gln Gly Arg Gly Arg Asp Arg Glu Ala
 20 25 30
 Ile Phe Ser Ser Ser Ala Leu Glu His Leu Val Cys Tyr Leu Gln Ala
 35 40 45
 Tyr Lys His Thr Leu Leu Phe Ile Arg Ser Leu Asn Glu His Gly Leu
 50 55 60
 Gln Gln Leu Leu Phe Gln Trp Arg Asp Gly Leu Phe Gly Asn Trp Tyr
 65 70 75 80
 Phe Arg Ile Pro Ile Leu Leu Phe Phe Thr Gly Phe His Cys Tyr His
 85 90 95
 Leu Ser Cys Pro His Leu Pro Cys Ala Gln Arg Gln Ser Ser Arg Gly
 100 105 110
 Thr Val Pro Tyr Val Leu Cys Pro His Pro His His His Leu His His
 115 120 125
 Tyr Ser Trp Phe Pro Phe Leu Ile Pro Val Leu His Thr Leu Pro Lys
 130 135 140
 Leu Gln Pro Lys Phe His Gly Arg Pro Glu Gln Pro Leu Asn Leu Leu
 145 150 155 160
 Gln Val Lys Pro Thr Ser Gly Thr Ile Ala Ser Ala Glu Gln Val Trp
 165 170 175
 Val Lys

<210> 443
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 443
 Val Cys Tyr Leu Gln Ala Tyr Lys His Thr Leu Leu Phe Ile Arg Ser
 1 5 10 15
 Leu Asn Glu His Gly Leu Gln Gln Leu Leu Phe Gln Trp
 20 25

<210> 444
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 444
 Val Pro Tyr Val Leu Cys Pro His Pro His His His Leu His His Tyr
 1 5 10 15
 Ser Trp Phe Pro Phe Leu Ile Pro Val Leu His Thr Leu Pro Lys Leu
 20 25 30

<210> 445
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 445
 Glu Ser Glu Arg Ala Val Val Tyr Leu Ile Thr Gly Ala Leu Phe Ile
 1 5 10 15
 Val Ser Ser Cys Val Leu Cys Phe Leu Pro Ser Ser Arg Arg Glu
 20 25 30

<210> 446
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 446
 His Glu Ala Arg Gln Gly Val Ser Arg Gly Val Lys Ala Ala Met Asn
 1 5 10 15
 Arg Val Leu Cys Ala Pro Ala Ala Gly Ala Val Arg Ala Leu Arg Leu
 20 25 30
 Ile Gly Trp Ala Ser Arg Ser Leu His Pro Leu Pro Gly Ser Arg Asp
 35 40 45
 Arg Ala His Pro Ala Ala Glu Glu Asp Asp Pro Asp Arg Pro Ile
 50 55 60
 Glu Phe Ser Ser Ser Lys Ala Asn Pro His Arg Trp Ser Val Gly His
 65 70 75 80
 Thr Met Gly Lys Gly His Gln Arg Pro Trp Trp Lys Val Leu Pro Leu
 85 90 95
 Ser Cys Phe Leu Val Ala Leu Ile Ile Trp Cys Xaa Leu Arg Glu Glu
 100 105 110
 Ser Glu Ala Asp Gln Trp Leu Arg Gln Val Trp Gly Glu Val Pro Glu
 115 120 125
 Pro Ser Asp Arg Ser Glu Glu Pro Glu Thr Pro Ala Ala Tyr Arg Ala
 130 135 140
 Arg Thr
 145

<210> 447
 <211> 249

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<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 447
Met Trp Val Xaa Gly Glu Glu Val Leu Gly Ser His Ala Ala Ser Pro
 1             5             10             15

Ala Phe Leu His Arg Cys Phe Ser Glu Glu Ser Cys Val Ser Ile Pro
      20             25             30

Glu Val Glu Gly Tyr Val Val Val Leu Gln Pro Asp Ala Pro Gln Ile
      35             40             45

Leu Leu Ser Gly Thr Ala His Phe Ala Arg Pro Ala Val Asp Phe Glu
      50             55             60

Gly Thr Asn Gly Val Pro Leu Phe Pro Asp Leu Gln Ile Thr Cys Ser
      65             70             75             80

Ile Ser His Gln Val Glu Ala Lys Lys Asp Glu Ser Trp Gln Gly Thr
      85             90             95

Val Thr Asp Thr Arg Met Ser Asp Glu Ile Val His Asn Leu Asp Gly
      100            105            110

Cys Glu Ile Ser Leu Val Gly Asp Asp Leu Asp Pro Glu Arg Glu Ser
      115            120            125

Leu Leu Leu Asp Thr Thr Ser Leu Gln Gln Arg Gly Leu Glu Leu Thr
      130            135            140

Asn Thr Ser Ala Tyr Leu Thr Ile Ala Gly Val Glu Ser Ile Thr Val
      145            150            155            160

Tyr Glu Glu Ile Leu Arg Gln Ala Arg Tyr Arg Leu Arg His Gly Ala
      165            170            175

Ala Leu Tyr Thr Arg Lys Phe Arg Leu Ser Cys Ser Glu Met Asn Gly
      180            185            190

Arg Tyr Ser Ser Asn Glu Phe Ile Val Glu Val Asn Val Leu His Ser
      195            200            205

Met Asn Arg Val Ala His Pro Ser His Val Leu Ser Xaa Gln Gln Phe
      210            215            220

Leu His Arg Gly His Gln Pro Pro Pro Glu Met Ala Gly His Ser Leu
      225            230            235            240

Ala Ser Ser His Arg Asn Ser Ser Thr

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245

<210> 448

<211> 23

<212> PRT

<213> Homo sapiens

<400> 448

Leu Gly Ser His Ala Ala Ser Pro Ala Phe Leu His Arg Cys Phe Ser
1 5 10 15

Glu Glu Ser Cys Val Ser Ile
20

<210> 449

<211> 29

<212> PRT

<213> Homo sapiens

<400> 449

Gly Tyr Val Val Val Leu Gln Pro Asp Ala Pro Gln Ile Leu Leu Ser
1 5 10 15

Gly Thr Ala His Phe Ala Arg Pro Ala Val Asp Phe Glu
20 25

<210> 450

<211> 26

<212> PRT

<213> Homo sapiens

<400> 450

Ile Thr Cys Ser Ile Ser His Gln Val Glu Ala Lys Lys Asp Glu Ser
1 5 10 15

Trp Gln Gly Thr Val Thr Asp Thr Arg Met
20 25

<210> 451

<211> 29

<212> PRT

<213> Homo sapiens

<400> 451

Asn Leu Asp Gly Cys Glu Ile Ser Leu Val Gly Asp Asp Leu Asp Pro
1 5 10 15

Glu Arg Glu Ser Leu Leu Leu Asp Thr Thr Ser Leu Gln
20 25

<210> 452

<211> 23

<212> PRT

<213> Homo sapiens

<400> 452
 Ser Ala Tyr Leu Thr Ile Ala Gly Val Glu Ser Ile Thr Val Tyr Glu
 1 5 10 15
 Glu Ile Leu Arg Gln Ala Arg
 20

<210> 453
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 453
 Arg Leu Ser Cys Ser Glu Met Asn Gly Arg Tyr Ser Ser Asn Glu Phe
 1 5 10 15
 Ile Val Glu Val Asn Val Leu His Ser Met
 20 25

<210> 454
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 454
 Gln Gln Phe Leu His Arg Gly His Gln Pro Pro Pro Glu Met Ala Gly
 1 5 10 15
 His Ser Leu Ala Ser Ser His Arg Asn
 20 25

<210> 455
 <211> 299
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 455
 Met Ala Asp Ser Glu Thr Phe Ile Ser Leu Glu Glu Cys Arg Gly His
 1 5 10 15
 Lys Arg Ala Arg Lys Arg Thr Ser Met Glu Thr Ala Leu Ala Leu Glu
 20 25 30
 Lys Leu Phe Pro Lys Gln Cys Gln Val Leu Gly Ile Val Thr Pro Gly
 35 40 45
 Ile Val Val Xaa Pro Met Gly Ser Gly Ser Asn Arg Pro Gln Glu Ile
 50 55 60
 Glu Ile Gly Glu Ser Gly Phe Ala Leu Leu Phe Pro Gln Ile Glu Gly
 65 70 75 80

Ile Lys Ile Gln Pro Phe His Phe Ile Lys Asp Pro Lys Asn Leu Thr
 85 90 95
 Leu Glu Arg His Gln Leu Thr Glu Val Gly Leu Leu Asp Asn Pro Glu
 100 105 110
 Leu Arg Val Val Leu Val Phe Gly Tyr Asn Cys Cys Lys Val Gly Ala
 115 120 125
 Ser Asn Tyr Leu Gln Gln Val Val Ser Thr Phe Ser Asp Met Asn Ile
 130 135 140
 Ile Leu Ala Gly Gly Gln Val Asp Asn Leu Ser Ser Leu Thr Ser Glu
 145 150 155 160
 Lys Asn Pro Leu Asp Ile Asp Ala Ser Gly Val Val Gly Leu Ser Phe
 165 170 175
 Ser Gly His Arg Ile Gln Ser Ala Thr Val Leu Leu Asn Glu Asp Val
 180 185 190
 Ser Asp Glu Lys Thr Ala Glu Ala Ala Met Gln Arg Leu Lys Ala Ala
 195 200 205
 Asn Ile Pro Glu His Asn Thr Ile Gly Phe Met Phe Ala Cys Val Gly
 210 215 220
 Arg Gly Phe Gln Tyr Tyr Arg Ala Lys Gly Asn Val Glu Ala Asp Ala
 225 230 235 240
 Phe Arg Lys Phe Phe Pro Ser Val Pro Leu Phe Gly Phe Phe Gly Asn
 245 250 255
 Gly Glu Ile Gly Cys Asp Arg Ile Val Thr Gly Asn Phe Ile Leu Arg
 260 265 270
 Lys Cys Asn Glu Val Lys Asp Asp Asp Leu Phe His Ser Tyr Thr Thr
 275 280 285
 Ile Met Ala Leu Ile His Leu Gly Ser Ser Lys
 290 295

<210> 456
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 456
 His Lys Arg Ala Arg Lys Arg Thr Ser Met Glu Thr Ala Leu Ala Leu
 1 5 10 15
 Glu Lys Leu Phe Pro
 20

<210> 457
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 457

Met Gly Ser Gly Ser Asn Arg Pro Gln Glu Ile Glu Ile Gly Glu Ser
1 5 10 15

Gly Phe Ala Leu Leu Phe Pro Gln
20

<210> 458

<211> 22

<212> PRT

<213> Homo sapiens

<400> 458

Phe His Phe Ile Lys Asp Pro Lys Asn Leu Thr Leu Glu Arg His Gln
1 5 10 15

Leu Thr Glu Val Gly Leu
20

<210> 459

<211> 23

<212> PRT

<213> Homo sapiens

<400> 459

Phe Gly Tyr Asn Cys Cys Lys Val Gly Ala Ser Asn Tyr Leu Gln Gln
1 5 10 15

Val Val Ser Thr Phe Ser Asp
20

<210> 460

<211> 20

<212> PRT

<213> Homo sapiens

<400> 460

Thr Ser Glu Lys Asn Pro Leu Asp Ile Asp Ala Ser Gly Val Val Gly
1 5 10 15

Leu Ser Phe Ser
20

<210> 461

<211> 26

<212> PRT

<213> Homo sapiens

<400> 461

Asn Glu Asp Val Ser Asp Glu Lys Thr Ala Glu Ala Ala Met Gln Arg
1 5 10 15

Leu Lys Ala Ala Asn Ile Pro Glu His Asn
20 25

<210> 462

<211> 25

<212> PRT

<213> Homo sapiens

<400> 462

Tyr Tyr Arg Ala Lys Gly Asn Val Glu Ala Asp Ala Phe Arg Lys Phe
1 5 10 15

Phe Pro Ser Val Pro Leu Phe Gly Phe
20 25

<210> 463

<211> 26

<212> PRT

<213> Homo sapiens

<400> 463

Ile Gly Cys Asp Arg Ile Val Thr Gly Asn Phe Ile Leu Arg Lys Cys
1 5 10 15

Asn Glu Val Lys Asp Asp Asp Leu Phe His
20 25

<210> 464

<211> 65

<212> PRT

<213> Homo sapiens

<400> 464

Gly Thr Arg Tyr Phe Leu Met Glu Leu Val Trp Phe Arg Phe Leu His
1 5 10 15

Leu Asn Leu Leu Pro Arg Gly Val Cys Cys Gly Ile Cys Val Cys Val
20 25 30

Arg Arg Gly Met Val Leu Ser Glu Pro Thr Ser Cys Gly Gln Arg Ala
35 40 45

Leu Ser Cys Glu Gly Gly Cys His Ser Gly Arg Val Gln Phe Arg Arg
50 55 60

Pro
65

<210> 465

<211> 341

<212> PRT

<213> Homo sapiens

<400> 465

Met Pro Lys Arg Lys Val Thr Phe Gln Gly Val Gly Asp Glu Glu Asp
1 5 10 15

Glu Asp Glu Ile Ile Val Pro Lys Lys Lys Leu Val Asp Pro Val Ala
20 25 30

Gly	Ser	Gly	Gly	Pro	Gly	Ser	Arg	Phe	Lys	Gly	Lys	His	Ser	Leu	Asp	
		35					40					45				
Ser	Asp	Glu	Glu	Glu	Asp	Asp	Asp	Asp	Gly	Gly	Ser	Ser	Lys	Tyr	Asp	
	50					55					60					
Ile	Leu	Ala	Ser	Glu	Asp	Val	Glu	Gly	Gln	Glu	Ala	Ala	Thr	Leu	Pro	
65					70					75					80	
Ser	Glu	Gly	Gly	Val	Arg	Ile	Thr	Pro	Phe	Asn	Leu	Gln	Glu	Glu	Met	
				85					90					95		
Glu	Glu	Gly	His	Phe	Asp	Ala	Asp	Gly	Asn	Tyr	Phe	Leu	Asn	Arg	Asp	
			100					105					110			
Ala	Gln	Ile	Arg	Asp	Ser	Trp	Leu	Asp	Asn	Ile	Asp	Trp	Val	Lys	Ile	
		115					120					125				
Arg	Glu	Arg	Pro	Pro	Gly	Gln	Arg	Gln	Ala	Ser	Asp	Ser	Glu	Glu	Glu	
	130					135					140					
Asp	Ser	Leu	Gly	Gln	Thr	Ser	Met	Ser	Ala	Gln	Ala	Leu	Leu	Glu	Gly	
145					150					155					160	
Leu	Leu	Glu	Leu	Leu	Leu	Pro	Arg	Glu	Thr	Val	Ala	Gly	Ala	Leu	Arg	
				165					170					175		
Arg	Leu	Gly	Ala	Arg	Gly	Gly	Gly	Lys	Gly	Arg	Lys	Gly	Pro	Gly	Gln	
		180						185					190			
Pro	Ser	Ser	Pro	Gln	Arg	Leu	Asp	Arg	Leu	Ser	Gly	Leu	Ala	Asp	Gln	
		195					200					205				
Met	Val	Ala	Arg	Gly	Asn	Leu	Gly	Val	Tyr	Gln	Glu	Thr	Arg	Glu	Arg	
	210					215					220					
Leu	Ala	Met	Arg	Leu	Lys	Gly	Leu	Gly	Cys	Gln	Thr	Leu	Gly	Pro	His	
225					230					235					240	
Asn	Pro	Thr	Pro	Pro	Pro	Ser	Leu	Asp	Met	Phe	Ala	Glu	Glu	Leu	Ala	
				245					250					255		
Glu	Glu	Glu	Leu	Glu	Thr	Pro	Thr	Pro	Thr	Gln	Arg	Gly	Glu	Ala	Glu	
			260					265					270			
Ser	Arg	Gly	Asp	Gly	Leu	Val	Asp	Val	Met	Trp	Glu	Tyr	Lys	Trp	Glu	
		275					280					285				
Asn	Thr	Gly	Asp	Ala	Glu	Leu	Tyr	Gly	Pro	Phe	Thr	Ser	Ala	Gln	Met	
	290					295					300					
Gln	Thr	Trp	Val	Ser	Glu	Gly	Tyr	Phe	Pro	Asp	Gly	Val	Tyr	Cys	Arg	
305					310					315					320	
Lys	Leu	Asp	Pro	Pro	Gly	Gly	Gln	Phe	Tyr	Asn	Ser	Lys	Arg	Ile	Asp	
				325					330					335		
Phe	Asp	Leu	Tyr	Thr												
			340													

<210> 466
<211> 24
<212> PRT
<213> Homo sapiens

<400> 466
Thr Phe Gln Gly Val Gly Asp Glu Glu Asp Glu Asp Glu Ile Ile Val
1 5 10 15
Pro Lys Lys Lys Leu Val Asp Pro
20

<210> 467
<211> 27
<212> PRT
<213> Homo sapiens

<400> 467
Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp Ser Asp Glu Glu
1 5 10 15
Glu Asp Asp Asp Asp Gly Gly Ser Ser Lys Tyr
20 25

<210> 468
<211> 25
<212> PRT
<213> Homo sapiens

<400> 468
Glu Ala Ala Thr Leu Pro Ser Glu Gly Gly Val Arg Ile Thr Pro Phe
1 5 10 15
Asn Leu Gln Glu Glu Met Glu Glu Gly
20 25

<210> 469
<211> 29
<212> PRT
<213> Homo sapiens

<400> 469
Phe Leu Asn Arg Asp Ala Gln Ile Arg Asp Ser Trp Leu Asp Asn Ile
1 5 10 15
Asp Trp Val Lys Ile Arg Glu Arg Pro Gly Gln Arg
20 25

<210> 470
<211> 26
<212> PRT
<213> Homo sapiens

<400> 470

Ser Leu Gly Gln Thr Ser Met Ser Ala Gln Ala Leu Leu Glu Gly Leu
 1 5 10 15

Leu Glu Leu Leu Leu Pro Arg Glu Thr Val
 20 25

<210> 471
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 471
 Arg Gly Gly Gly Lys Gly Arg Lys Gly Pro Gly Gln Pro Ser Ser Pro
 1 5 10 15

Gln Arg Leu Asp Arg Leu Ser Gly Leu Ala Asp Gln
 20 25

<210> 472
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 472
 Gln Glu Thr Arg Glu Arg Leu Ala Met Arg Leu Lys Gly Leu Gly Cys
 1 5 10 15

Gln Thr Leu Gly Pro His Asn Pro
 20

<210> 473
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 473
 Asp Met Phe Ala Glu Glu Leu Ala Glu Glu Glu Leu Glu Thr Pro Thr
 1 5 10 15

Pro Thr Gln Arg Gly Glu Ala Glu Ser Arg Gly Asp
 20 25

<210> 474
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 474
 Glu Leu Tyr Gly Pro Phe Thr Ser Ala Gln Met Gln Thr Trp Val Ser
 1 5 10 15

Glu Gly Tyr Phe Pro Asp Gly Val Tyr Cys Arg Lys Leu Asp
 20 25 30

<210> 475

<211> 14
 <212> PRT
 <213> Homo sapiens

<400> 475
 Pro His Ser Ser Arg Val Ser Phe Leu Gln Ser Leu Ser Phe
 1 5 10

<210> 476
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 476
 Arg Gly Gln Pro Arg Pro Cys Val Ser Gly Val Cys Leu Ser Pro His
 1 5 10 15

 Ser Arg Phe Trp Glu Cys Cys Ser Phe Tyr Leu Gln Gly Leu Pro Ala
 20 25 30

 Leu Arg Cys Ser Arg Thr Pro Pro Gly Cys His Phe Phe Arg Val Phe
 35 40 45

 Pro Ser Cys Pro Phe Ser Ser Ser Arg Ser Pro Ser Cys Phe Thr His
 50 55 60

 Ile Cys Pro Val Val Arg Ile Gln Phe Ser Arg Ala Leu Trp Val Ser
 65 70 75 80

 Thr Cys Leu Val Leu Ala Ile Thr Pro Gly Lys Trp Leu Leu Pro Glu
 85 90 95

 Asp Arg Ala Leu Ser Leu Met Leu Leu Ala Ser Leu Gln Cys Cys Pro
 100 105 110

 Pro Pro Phe Gly Ala Trp Trp Met Gln Val Leu Thr His Lys Gly Arg
 115 120 125

 Gln Ala Gly Leu Gly Pro Gly Val Ser Ser Arg Pro Leu
 130 135 140

<210> 477
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 477
 Ser Asn Ile Lys Ser Leu Pro Pro Thr Asn Ser Leu Ser Leu Leu Arg
 1 5 10 15

 Ala Gln Thr Gly Thr Asp Cys Ala Val Ser Pro Gly Leu Ala Gly Pro
 20 25 30

 Cys His Gln Arg Gly Leu Glu Asp Thr Pro Gly Pro Arg Pro Ala Cys
 35 40 45

 Leu Pro Leu Cys Val Ser Thr Cys Ile His Gln Ala Pro Lys Gly Gly
 50 55 60

Gly Gln His Trp Arg Glu Ala Ser Ser Ile Arg Asp Arg Ala Leu Ser
 65 70 75 80
 Ser Gly Arg Ser His Phe Pro Gly Val Met Ala Lys Thr Lys His Val
 85 90 95
 Asp Thr His Asn Ala Arg Glu Asn Trp Ile Arg Thr Thr Gly Gln Met
 100 105 110
 Trp Val Lys His Glu Gly Glu Arg Glu Glu Glu Lys Gly His Glu Gly
 115 120 125
 Lys Thr Leu Lys Lys
 130

<210> 478
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 478
 Val Cys Leu Ser Pro His Ser Arg Phe Trp Glu Cys Cys Ser Phe Tyr
 1 5 10 15
 Leu Gln Gly Leu Pro Ala Leu Arg Cys
 20 25

<210> 479
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 479
 Gln Phe Ser Arg Ala Leu Trp Val Ser Thr Cys Leu Val Leu Ala Ile
 1 5 10 15
 Thr Pro Gly Lys Trp Leu Leu Pro Glu Asp Arg
 20 25

<210> 480
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 480
 Ser Leu Ser Leu Leu Arg Ala Gln Thr Gly Thr Asp Cys Ala Val Ser
 1 5 10 15
 Pro Gly Leu Ala Gly Pro Cys His Gln Arg Gly
 20 25

<210> 481
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 481
 Ser Gly Arg Ser His Phe Pro Gly Val Met Ala Lys Thr Lys His Val
 1 5 10 15

Asp Thr His Asn Ala Arg Glu Asn Trp Ile Arg Thr
 20 25

<210> 482
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 482
 Ala Arg Gly Trp Glu Cys Glu Glu Gly Ser Pro Gly Pro Val Phe Arg
 1 5 10 15

Gly Cys Ala Ser Pro Arg Thr Pro Val Ser Gly Asn Ala Val Pro Ser
 20 25 30

Thr Phe Arg Ala Cys Pro Pro Cys Gly Val Ala Ala Leu Leu Pro Gly
 35 40 45

Val Ile Ser Ser Glu Ser Phe Leu His Ala Leu Phe Pro Pro His Val
 50 55 60

Pro Pro Arg Ala Leu Pro Thr Ser Val Pro Trp Phe Gly Ser Ser Ser
 65 70 75 80

Pro Val Arg Tyr Gly Tyr Pro Arg Val Trp Ser
 85 90

<210> 483
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 483
 Ala Arg Val Glu Val Gln Gly Gln Gly Pro Gly Ala Lys Val Asp Ala
 1 5 10 15

Gly Glu Gly Gln
 20

<210> 484
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (66)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 484
Trp Val Val Leu Ser Gln Leu Gln Ala Gln Gly Val Ala Gly Met Met
 1           5           10           15

Cys Ser Tyr Pro Glu Gly Gln Lys Lys Gly Lys Glu Ala Thr Arg Ser
      20           25           30

His Arg Trp Val Pro Arg Ser Leu Pro Gly Met Gly Ser Xaa Leu Ala
      35           40           45

Ala Pro His Ser Asn Pro Trp Leu Ala Pro Leu Ala Leu Leu Glu Ile
 50           55           60

Pro Xaa Pro Val Leu Cys Glu Trp Lys Arg Lys Leu Ile Ala Leu Glu
 65           70           75           80

Glu Val Ser Glu Cys Arg Pro Gly Val Gly Gly Gly Gly Gly Phe Leu
      85           90           95

Ser Xaa Cys Arg Arg Gly His Leu Ser Phe Leu Ser Gly Ala Pro Tyr
      100           105           110

Pro Leu Phe Pro Ile Ser Pro Leu Xaa
      115           120

<210> 485
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature

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<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 485

Glu Leu Arg His Gly Gly Pro Arg Gln Val Lys Asp Ser Phe Leu Asp
1 5 10 15

Tyr Met Gly Tyr Pro Asp Glu Asp Arg Ala Gly Pro Pro Ser Arg Trp
20 25 30

Phe Pro Arg Glu Arg Phe Leu Ser Pro Pro Thr Val Val Pro Leu Cys
35 40 45

Val Glu Leu Arg Leu Gly Phe Glu Ser Gly Met Gly Trp Gly Val Pro
50 55 60

Gly Ser Ser His Ser Glu Gly Gly Pro Glu Ala Arg Trp Pro Leu Ile
65 70 75 80

Ala Pro Met Tyr Thr Val Thr Gln Trp Phe Gln Arg Pro Asn Ser Gly
85 90 95

Arg Gly Pro Gln Pro Pro Pro Gln Xaa Arg Gly Glu Ile Gly Lys Arg
100 105 110

Gly Tyr Gly Ala Pro Glu Arg Lys Leu Arg Trp Pro Leu Leu Xaa Trp
115 120 125

Glu Arg Xaa Pro Pro Pro Pro Thr Pro Gly Arg His Ser Glu Thr
130 135 140

Ser Ser Ser Ala Ile Ser Phe Leu Phe His Ser Gln Arg Thr Gly Trp
145 150 155 160

Gly Ile Ser Ser Ser Ala Asn Gly Ala Ser Gln Gly Leu Leu Trp Gly
165 170 175

Ala Ala Arg Xaa Leu Pro Ile Pro Gly Arg Asp Leu Gly Thr His Leu
180 185 190

Trp Asp Leu Val Ala Ser Phe Pro Phe Phe Cys Pro Ser Gly
195 200 205

<210> 486

<211> 24

<212> PRT

<213> Homo sapiens

<400> 486

Pro Glu Gly Gln Lys Lys Gly Lys Glu Ala Thr Arg Ser His Arg Trp
1 5 10 15

Val Pro Arg Ser Leu Pro Gly Met
20

<210> 487

<211> 26

<212> PRT

<213> Homo sapiens

<400> 487

Leu Arg Leu Gly Phe Glu Ser Gly Met Gly Trp Gly Val Pro Gly Ser
1 5 10 15

Ser His Ser Glu Gly Gly Pro Glu Ala Arg
20 25

<210> 488

<211> 24

<212> PRT

<213> Homo sapiens

<400> 488

His Ser Gln Arg Thr Gly Trp Gly Ile Ser Ser Ser Ala Asn Gly Ala
1 5 10 15

Ser Gln Gly Leu Leu Trp Gly Ala
20

<210> 489

<211> 20

<212> PRT

<213> Homo sapiens

<400> 489

Asp Ser Leu Thr Ile Lys Ser Gly Ser Gln Pro Gln Tyr Ser Pro Ala
1 5 10 15

Ile Thr Leu Trp
20

<210> 490

<211> 54

<212> PRT

<213> Homo sapiens

<400> 490

Phe Ile Met Lys Leu Leu Tyr Gln Leu Leu Met Leu Thr Thr Ser Ser
1 5 10 15

Ser Tyr Ser Leu Ile Thr His Leu Cys Tyr Ser Ile Phe Leu Cys Ser
20 25 30

Phe Tyr Phe His Phe Pro Cys Asn Val Ser Leu Phe Val Leu Ile Ser
35 40 45

Glu Glu Phe Ile Tyr Asp
50

<210> 491

<211> 21

<212> PRT

<213> Homo sapiens

<400> 491

Leu Met Leu Thr Thr Ser Ser Ser Tyr Ser Leu Ile Thr His Leu Cys
1 5 10 15

Tyr Ser Ile Phe Leu
20

<210> 492

<211> 21

<212> PRT

<213> Homo sapiens

<400> 492

Leu Cys Ser Phe Tyr Phe His Phe Pro Cys Asn Val Ser Leu Phe Val
1 5 10 15

Leu Ile Ser Glu Glu
20

<210> 493

<211> 53

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Lys Asn Ile Phe Ala Ile Leu Asp Lys Met Leu Thr Cys Leu
1 5 10 15

Ile Ile Asn Glu Leu Phe Arg Asn Gln Tyr Lys Glu Thr Asn Ile Thr
20 25 30

Arg Glu Val Lys Ile Lys Gly Thr Glu Glu Asn Gly Ile Ala Gln Met
35 40 45

Ser Tyr Lys Ala Ile
50

<210> 494

<211> 21

<212> PRT

<213> Homo sapiens

<400> 494

Asp Lys Met Leu Thr Cys Leu Ile Ile Asn Glu Leu Phe Arg Asn Gln
1 5 10 15

Tyr Lys Glu Thr Asn
20

<210> 495

<211> 21

<212> PRT

<213> Homo sapiens

<400> 495

Asn Ile Thr Arg Glu Val Lys Ile Lys Gly Thr Glu Glu Asn Gly Ile

1 5 10 15
 Ala Gln Met Ser Tyr
 20

 <210> 496
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 496
 Gly Ile Ser Glu Arg Lys Pro
 1 5

 <210> 497
 <211> 25
 <212> PRT
 <213> Homo sapiens

 <400> 497
 Gln Ser Pro Ala Val Ser Tyr Thr Val Thr Ser Gln Val Pro Trp Gly
 1 5 10 15

 Leu Gly Leu Leu Ala Gly Glu Lys Arg
 20 25

 <210> 498
 <211> 100
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 498
 Leu Pro Ser His Pro Leu Arg Pro Leu Thr Phe Ser Ser Ala Met Cys
 1 5 10 15

 Met His Leu Pro Pro Pro Leu Cys Arg Arg Ala Ala Leu Ser Ala Pro
 20 25 30

 Phe Ala Thr Gln His Arg Pro Trp Ser Val Ala Ala Ala Cys Leu Pro
 35 40 45

 Arg Ile His Gln Asn Pro Leu Asp Ala Glu Tyr Pro Ser Gly Cys Cys
 50 55 60

 Arg Met Ser Phe Leu Pro Ala Ala Cys Ser Asn Ile Tyr Ser Gln Glu
 65 70 75 80

 Cys His Tyr Thr Leu Met Ser His Ser Glu Ala Ser Thr Leu Gln Xaa
 85 90 95

 Ala Gln Leu Leu
 100

<210> 499

<211> 76

<212> PRT

<213> Homo sapiens

<400> 499

Met Leu Leu Gln Ala Ala Gly Arg Lys Leu Met Arg Gln Gln Pro Asp
1 5 10 15

Gly Tyr Ser Ala Ser Arg Gly Phe Trp Trp Met Arg Gly Arg Gln Ala
20 25 30

Ala Ala Thr Leu His Gly Arg Cys Trp Val Ala Lys Gly Ala Asp Ser
35 40 45

Ala Ala Leu Arg Gln Arg Gly Gly Gly Arg Cys Met His Ile Ala Asp
50 55 60

Glu Lys Val Arg Gly Leu Ser Gly Cys Asp Gly Ser
65 70 75

<210> 500

<211> 25

<212> PRT

<213> Homo sapiens

<400> 500

Leu Cys Arg Arg Ala Ala Leu Ser Ala Pro Phe Ala Thr Gln His Arg
1 5 10 15

Pro Trp Ser Val Ala Ala Ala Cys Leu
20 25

<210> 501

<211> 24

<212> PRT

<213> Homo sapiens

<400> 501

Arg Gly Phe Trp Trp Met Arg Gly Arg Gln Ala Ala Ala Thr Leu His
1 5 10 15

Gly Arg Cys Trp Val Ala Lys Gly
20

<210> 502

<211> 23

<212> PRT

<213> Homo sapiens

<400> 502

Gln Arg Gly Gly Gly Arg Cys Met His Ile Ala Asp Glu Lys Val Arg
1 5 10 15

Gly Leu Ser Gly Cys Asp Gly

<210> 503
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 503

Thr	His	Pro	Ser	His	Pro	Ser	Ile	Val	Ile	Gln	Ser	Thr	Val	Ser	Leu
1				5					10					15	
Cys	Leu	Thr	Ala	Ser	Ser	Arg	Arg	Lys	Lys	Ser	Asp	Cys	Leu	Ser	Leu
			20					25					30		
Cys	Gln	Val	Ser	Cys	Ser	Gln	Arg	Pro	Gly	Ser	His	Lys	Thr	Asn	Val
		35					40					45			
Ala	Trp	Gly	Phe	Leu	Met	Ser	Arg	Val	His	Phe	Ser	Val	Arg	Trp	Val
	50					55					60				
Ser	Gly	Gly	Arg	Gly	Ile	Thr	Gly	Ala	Ile	Cys	Lys	Glu	Ser	Ser	Leu
65					70					75					80
Pro	Cys	Lys	Glu	Ile	Gln	Gly	Lys	Ala	Cys	Tyr	Phe	Cys	His	His	Pro
				85					90					95	
Ala	Gln	Gln	Ser	Thr	Pro	Phe	Ser	His	Ile						
			100					105							

<210> 504
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 504

Val	Ile	Gln	Ser	Thr	Val	Ser	Leu	Cys	Leu	Thr	Ala	Ser	Ser	Arg	Arg
1				5					10					15	
Lys	Lys	Ser	Asp	Cys	Leu	Ser	Leu	Cys	Gln	Val					
			20					25							

<210> 505
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 505

Ile	Cys	Lys	Glu	Ser	Ser	Leu	Pro	Cys	Lys	Glu	Ile	Gln	Gly	Lys	Ala
1				5					10					15	
Cys	Tyr	Phe	Cys	His	His	Pro	Ala	Gln	Gln						
			20					25							

<210> 506
 <211> 11
 <212> PRT

<213> Homo sapiens

<400> 506

Pro Thr Arg Pro Pro Thr Arg Pro Ala Gly Lys
1 5 10

<210> 507

<211> 35

<212> PRT

<213> Homo sapiens

<400> 507

Ser Ile Thr Lys Tyr Cys Gln Gly Cys Arg Lys Ile Gly Ala Leu Leu
1 5 10 15

Pro Trp Trp Glu Cys Asn Met Val Pro Asp Thr Thr Ser Ile Leu Lys
20 25 30

Leu Ile Cys
35

<210> 508

<211> 188

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Ser Leu Gln Val Leu Arg Thr Leu Gly Ser Lys Cys Gly Asp Phe Leu
1 5 10 15

Arg Ser Arg Phe Cys Lys Asp Val Leu Pro Lys Leu Ala Gly Ser Leu
20 25 30

Val Thr Gln Ala Pro Ile Ser Ala Arg Ala Gly Pro Val Tyr Ser His
35 40 45

Thr Leu Ala Phe Lys Leu Gln Leu Ala Val Leu Gln Gly Leu Gly Pro
50 55 60

Leu Cys Glu Arg Leu Asp Leu Gly Glu Gly Asp Leu Asn Lys Val Ala
65 70 75 80

Asp Ala Cys Leu Ile Tyr Leu Ser Val Lys Gln Pro Val Lys Leu Gln
85 90 95

Glu Ala Ala Arg Ser Val Phe Leu His Leu Met Lys Val Asp Pro Asp
100 105 110

Ser Thr Trp Phe Leu Leu Asn Glu Leu Tyr Cys Pro Val Gln Phe Thr
115 120 125

Pro Pro His Pro Ser Leu His Pro Val Gln Leu Xaa Gly Ala Ser Gly
130 135 140

Gln Gln Asn Pro Xaa His Asp Gln Arg Ala Pro Ala Ala Gln Gly Ala
145 150 155 160

Ala Val Thr Leu Leu Pro His His Arg Gly His Arg Ser Leu Pro Tyr
165 170 175

Cys Gln Pro Glu Ala Gly Leu Thr Pro Pro Arg Pro
180 185

<210> 509
<211> 138
<212> PRT
<213> Homo sapiens

<400> 509
Gly Ala Asp Gly Asn Val Ser Asp Phe Asp Asn Glu Glu Glu Glu Gln
1 5 10 15

Ser Val Pro Pro Lys Val Asp Glu Asn Asp Thr Arg Pro Asp Val Glu
20 25 30

Pro Pro Leu Pro Leu Gln Ile Gln Ile Ala Met Asp Val Met Glu Arg
35 40 45

Cys Ile His Leu Leu Ser Asp Lys Asn Leu Gln Ile Arg Leu Lys Val
50 55 60

Leu Asp Val Leu Asp Leu Cys Val Val Val Leu Gln Ser His Lys Asn
65 70 75 80

Gln Leu Leu Pro Leu Ala His Gln Ala Trp Pro Ser Leu Val His Arg
85 90 95

Leu Thr Arg Asp Ala Pro Leu Ala Val Leu Arg Ala Phe Lys Phe Tyr
100 105 110

Val Pro Trp Glu Ala Ser Val Val Thr Phe Phe Ala Ala Gly Ser Ala
115 120 125

Lys Met Ser Cys Gln Ser Trp Leu Ala Pro
130 135

<210> 510
<211> 26
<212> PRT
<213> Homo sapiens

<400> 510
Thr Leu Gly Ser Lys Cys Gly Asp Phe Leu Arg Ser Arg Phe Cys Lys
1 5 10 15

Asp Val Leu Pro Lys Leu Ala Gly Ser Leu

20

25

<210> 511
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 511
 Pro Val Tyr Ser His Thr Leu Ala Phe Lys Leu Gln Leu Ala Val Leu
 1 5 10 15
 Gln Gly Leu Gly Pro Leu Cys Glu Arg Leu Asp Leu Gly
 20 25

<210> 512
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 512
 Ser Val Pro Pro Lys Val Asp Glu Asn Asp Thr Arg Pro Asp Val Glu
 1 5 10 15
 Pro Pro Leu Pro Leu Gln Ile Gln Ile Ala Met
 20 25

<210> 513
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 513
 Trp Pro Ser Leu Val His Arg Leu Thr Arg Asp Ala Pro Leu Ala Val
 1 5 10 15
 Leu Arg Ala Phe Lys Phe Tyr Val Pro Trp
 20 25

<210> 514
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 514
 Ser Leu Gly Ile Ser Thr Phe Gly Ile Met Val Phe Ser Val Tyr Phe
 1 5 10 15
 Gly Gly Ile Met Ile Ser Ile Pro Tyr Ser Gly Ile Ser Phe Gly Asn
 20 25 30
 Lys Lys Glu Leu Asn Ile Asp Ser Cys Tyr Asn Met Val Asn Leu Lys
 35 40 45
 Asn Ile Met Phe Ser Glu Arg Ser Gln Thr
 50 55

<210> 515
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 515
 His Ala Ser Gly Asn Asn Asp Pro Leu Trp Phe Leu Thr Tyr Leu
 1 5 10 15

<210> 516
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 516
 Met Val Phe Ser Val Tyr Phe Gly Gly Ile Met Ile Ser Ile Pro Tyr
 1 5 10 15

Ser Gly Ile Ser Phe
 20

<210> 517
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 517
 Phe Gly Asn Lys Lys Glu Leu Asn Ile Asp Ser Cys Tyr Asn Met Val
 1 5 10 15

Asn Leu Lys Asn
 20

<210> 518
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 518

Met	Asn	Ser	Phe	Ser	Val	Ile	Ala	Ser	Ile	Val	Val	Leu	Leu	Pro	Phe
1				5					10					15	

Pro	Gly	Leu	Ser	Val	Ser	Ala	Cys	Leu	Pro	Ser	His	Ser	His	Gln	Cys
		20						25					30		

Lys	Thr	Phe	Ile	Leu	Leu	Phe	Leu	Pro	Ser	Ser	Glu	Lys	Thr	Leu	Xaa
		35					40					45			

Xaa	Xaa	Pro	Pro	Ser	His	Ser	Ser	Thr	Leu	Gly	Gly	Gln	Gly	Gly	Gln
	50					55					60				

Ile	Met	Arg	Ser	Gly	Asp	Arg	Xaa	His	Xaa	Gly
65					70					75

<210> 519

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> misc_feature

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 519

Val	Val	Phe	Phe	Xaa	Xaa	Phe	Phe	Glu	Met	Glu	Ser	His	Ser	Val	Ala
1				5					10					15	

Gln	Ala	Gly	Val	Gln	Trp	Arg	Asn	Leu	Gly	Ser	Leu	Gln	Ala	Leu	Pro
		20						25					30		

Pro	Gly	Phe	Met	Pro	Phe	Ser	Cys	Leu	Ser	Leu	Pro	Gly	Ser	Trp	Asp
		35					40					45			

Tyr	Arg	Arg	Pro	Pro	Pro	Ser	Pro	Ala	Asn	Leu	Xaa	Cys	Ile	Phe	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50 55 60
 Arg Asp Gly Gly His His Val Ser Gln Xaa Gly Leu Asp Leu Leu Thr
 65 70 75 80

Ser

<210> 520
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 520
 Ile Val Val Leu Leu Pro Phe Pro Gly Leu Ser Val Ser Ala Cys Leu
 1 5 10 15
 Pro Ser His Ser His Gln Cys Lys Thr Phe Ile Leu
 20 25

<210> 521
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 521
 Pro Gly Phe Met Pro Phe Ser Cys Leu Ser Leu Pro Gly Ser Trp Asp
 1 5 10 15
 Tyr Arg Arg Pro Pro Pro Ser Pro Ala Asn
 20 25

<210> 522
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 522
 Tyr Arg Phe Lys Asn Pro Lys Cys Arg Leu Phe Ser Val Pro Cys Arg
 1 5 10 15

<210> 523
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 523
 Thr Gln Asn Arg Glu Leu Leu Ala Trp Lys Pro Lys Gly Thr Asp Asp
 1 5 10 15
 Ile Cys Thr Ser His Asn Thr Thr His Ile Gln Lys Met Pro Gly Glu
 20 25 30

Ala	Asn	Ser	Cys	Cys	Pro	Arg	Gly	Ala	Lys	Ser	Tyr	His	Ile	Asp	Cys
	35						40					45			
Trp	Pro	Pro	Ala	Leu	Phe	Pro	Arg	Cys	Val	Ala	Tyr	Leu	Phe	Leu	Asn
	50					55					60				
Lys	Pro	Ala	Thr	Leu	Arg	Lys	Lys	Tyr	Tyr	Cys	Lys	Pro	Tyr	His	Thr
	65				70					75					80
Gln	Leu	His	Pro	Ala	Trp	His	Arg	Glu	Lys	Ser	Ala	Phe	Trp	Ile	Phe
				85					90					95	
Glu	Thr	Val	Ser	Gln	Ser	Lys	Gln	Ser	Leu	Thr	Ser	Leu	Val	Tyr	Ser
			100					105					110		
Val	Asn	Glu	Leu	Leu	Val	Leu	Ser	Asn	Leu	Ala	Gln	Trp	Ala	Leu	Gly
		115					120					125			

<210> 524
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 524
 Ala Trp Lys Pro Lys Gly Thr Asp Asp Ile Cys Thr Ser His Asn Thr
 1 5 10 15
 Thr His Ile Gln Lys Met Pro
 20

<210> 525
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 525
 Cys Pro Arg Gly Ala Lys Ser Tyr His Ile Asp Cys Trp Pro Pro Ala
 1 5 10 15
 Leu Phe Pro Arg Cys Val Ala Tyr Leu
 20 25

<210> 526
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 526
 Ser Tyr His Ile Asp Cys Trp Pro Pro Ala Leu Phe Pro Arg Cys Val
 1 5 10 15
 Ala Tyr Leu Phe Leu Asn Lys Pro Ala Thr
 20 25

<210> 527
<211> 29
<212> PRT
<213> Homo sapiens

<400> 527
Arg Lys Lys Tyr Tyr Cys Lys Pro Tyr His Thr Gln Leu His Pro Ala
1 5 10 15
Trp His Arg Glu Lys Ser Ala Phe Trp Ile Phe Glu Thr
20 25

<210> 528
<211> 28
<212> PRT
<213> Homo sapiens

<400> 528
Ile Cys Leu Asp Ser Cys Ser Gln Val Ser Val Thr Ser Leu Trp Ser
1 5 10 15
Phe Leu Arg Val His Ser Leu Val Gln Thr Leu Trp
20 25

<210> 529
<211> 75
<212> PRT
<213> Homo sapiens

<400> 529
His Tyr Cys Cys Asp Phe Gly Thr Ser Leu Leu Gly Phe Tyr Val Pro
1 5 10 15
Phe His Tyr Tyr Val His Met Val Asn Ile Ile Leu Thr Thr Ile Asp
20 25 30
Phe Tyr His Tyr Lys Phe Cys Cys Ser Gln Asn Ala Asn Lys His Cys
35 40 45
Phe Lys His Phe Gln Ile Met Thr Thr Val Pro Tyr Leu Asn Ile Asn
50 55 60
Lys Glu Asn Leu Arg Phe Lys Asn Ile Phe Lys
65 70 75

<210> 530
<211> 27
<212> PRT
<213> Homo sapiens

<400> 530
Thr Ser Leu Leu Gly Phe Tyr Val Pro Phe His Tyr Tyr Val His Met
1 5 10 15
Val Asn Ile Ile Leu Thr Thr Ile Asp Phe Tyr
20 25

<210> 531
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 531
 Phe Gln Ile Met Thr Thr Val Pro Tyr Leu Asn Ile Asn Lys Glu Asn
 1 5 10 15
 Leu Arg Phe Lys Asn Ile
 20

<210> 532
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 532
 Ile Ser Glu Ser Met Ser Leu Val Arg Ser Leu Gln Phe Tyr Arg Gly
 1 5 10 15
 Lys Asn Arg Ala Glu Arg Thr Val Ile Ser Ser Ser Ser His Ser Cys
 20 25 30
 His Leu Ile Asp Leu Glu Phe Gln Pro Arg Ser Asp Gly Glu Val Ser
 35 40 45
 Ile Ser Phe Leu Glu Lys Gly Val Glu Leu Arg Trp Gly Met Gly Leu
 50 55 60
 Glu Asp Leu Ile Gly Leu Gly Leu Gly Val Ser Thr Arg Arg Ser Thr
 65 70 75 80
 Val Arg Arg Lys Glu Pro Thr Lys Ala Gly Met His Thr Ala Cys Ser
 85 90 95
 Glu Glu Met Glu Pro Glu Asn Arg Glu Asn
 100 105

<210> 533
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 533
 Asp Gly Ser Arg Ser Val Ala Gln Ala Arg Val Gln Trp His His Arg
 1 5 10 15
 Gly Ser Leu Pro Pro Leu Pro Pro Arg Phe Lys Gln Phe Pro Leu Arg
 20 25 30
 His Leu Arg Val Gly Gly Ile Thr Gly Ala Cys Arg His Thr Gln Ile
 35 40 45
 Ile Phe Val Val Leu Val Gln Met Gly Phe His His Val Gly Gln Ala
 50 55 60

Gly Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro Ala Leu Ala Ser Gln
 65 70 75 80
 Ser Ala Gly Ile Thr Gly Val Ser His Ser Thr Arg Pro Lys Leu Leu
 85 90 95
 Ser Trp Leu Pro Ser Asp Asn Leu Leu Gly Met Ala Leu Tyr Ser Ile
 100 105 110
 Gln Trp Ala Leu Leu Ala Asn Ser Leu Tyr Phe Gln Val Pro Ser Pro
 115 120 125
 Leu Ser Met Leu Cys Ala Phe Leu Pro Leu Trp Val Pro Ser Ala
 130 135 140

<210> 534
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 534
 Arg Gly Lys Asn Arg Ala Glu Arg Thr Val Ile Ser Ser Ser Ser His
 1 5 10 15
 Ser Cys His Leu Ile Asp Leu Glu Phe Gln Pro
 20 25

<210> 535
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 535
 Leu Gly Leu Gly Val Ser Thr Arg Arg Ser Thr Val Arg Arg Lys Glu
 1 5 10 15
 Pro Thr Lys Ala Gly Met His Thr Ala Cys Ser Glu Glu Met Glu Pro
 20 25 30

<210> 536
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 536
 Gly Asp Pro Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val
 1 5 10 15
 Ser His Ser Thr Arg Pro Lys Leu
 20

<210> 537

<211> 25
<212> PRT
<213> Homo sapiens

<400> 537
Ala Leu Tyr Ser Ile Gln Trp Ala Leu Leu Ala Asn Ser Leu Tyr Phe
1 5 10 15
Gln Val Pro Ser Pro Leu Ser Met Leu
20 25

<210> 538
<211> 35
<212> PRT
<213> Homo sapiens

<400> 538
Asp Arg Ile Leu Leu Phe Tyr Ser Arg Asp Gly Gln Thr Thr Ser Lys
1 5 10 15
Gly Pro Asn Pro Ala Cys Cys Leu Phe Leu Leu Lys Lys Phe Tyr Trp
20 25 30
Asn Thr Ala
35

<210> 539
<211> 21
<212> PRT
<213> Homo sapiens

<400> 539
Asp Gly Gln Thr Thr Ser Lys Gly Pro Asn Pro Ala Cys Cys Leu Phe
1 5 10 15
Leu Leu Lys Lys Phe
20

<210> 540
<211> 24
<212> PRT
<213> Homo sapiens

<400> 540
Asp Pro Arg Val Arg Arg Thr Leu Asp Leu Gly Ile Thr Leu Tyr Leu
1 5 10 15
Phe Leu Tyr Ile Phe Leu Ser Leu
20

<210> 541
<211> 244
<212> PRT
<213> Homo sapiens

<400> 541

Pro Ala Leu Gly Glu Cys Cys Leu Asp Ala Phe Leu Phe Leu Leu Gly
 1 5 10 15
 Lys Gln Leu Lys Lys Ser Gly Glu Lys Pro Leu Leu Gly Gly Ser Leu
 20 25 30
 Met Glu Tyr Ala Ile Leu Ser Ala Ile Ala Ala Met Asn Glu Pro Lys
 35 40 45
 Thr Cys Ser Thr Thr Ala Leu Lys Lys Tyr Val Leu Glu Asn His Pro
 50 55 60
 Gly Thr Asn Ser Asn Tyr Gln Met His Leu Leu Lys Lys Thr Leu Gln
 65 70 75 80
 Lys Cys Glu Lys Asn Gly Trp Met Glu Gln Ile Ser Gly Lys Gly Phe
 85 90 95
 Ser Gly Thr Phe Gln Leu Cys Phe Pro Tyr Tyr Pro Ser Pro Gly Val
 100 105 110
 Leu Phe Pro Lys Lys Glu Pro Asp Asp Ser Arg Asp Glu Asp Glu Asp
 115 120 125
 Glu Asp Glu Ser Ser Glu Glu Asp Ser Glu Asp Glu Glu Pro Pro Pro
 130 135 140
 Lys Arg Arg Leu Gln Lys Lys Thr Pro Ala Lys Ser Pro Gly Lys Ala
 145 150 155 160
 Ala Ser Val Lys Gln Arg Gly Ser Lys Pro Ala Pro Lys Val Ser Ala
 165 170 175
 Ala Gln Arg Gly Lys Ala Arg Pro Leu Pro Lys Lys Ala Pro Pro Lys
 180 185 190
 Ala Lys Thr Pro Ala Lys Lys Thr Arg Pro Ser Ser Thr Val Ile Lys
 195 200 205
 Lys Pro Ser Gly Gly Ser Ser Lys Lys Pro Ala Thr Ser Ala Arg Lys
 210 215 220
 Glu Val Lys Leu Pro Gly Lys Gly Lys Ser Thr Met Lys Lys Ser Phe
 225 230 235 240
 Arg Val Lys Lys

<210> 542
 <211> 152
 <212> PRT
 <213> Homo sapiens

<400> 542
 Asp Phe Glu Phe His His Asp Thr Leu Phe Ser Tyr Lys Ile Tyr Phe
 1 5 10 15
 Phe Thr Leu Lys Asp Phe Phe Met Val Asp Leu Pro Leu Pro Gly Asn
 20 25 30

Phe Thr Ser Phe Leu Ala Leu Val Ala Gly Phe Phe Glu Glu Pro Pro
 35 40 45
 Leu Gly Phe Leu Met Thr Val Asp Glu Gly Leu Val Phe Leu Ala Gly
 50 55 60
 Val Leu Ala Leu Gly Gly Ala Phe Leu Gly Lys Gly Leu Ala Phe Pro
 65 70 75 80
 Arg Trp Ala Ala Glu Thr Leu Gly Ala Gly Leu Asp Pro Leu Cys Phe
 85 90 95
 Thr Asp Ala Ala Phe Pro Gly Asp Leu Ala Gly Val Phe Phe Cys Asn
 100 105 110
 Leu Leu Leu Gly Gly Gly Ser Ser Ser Ser Glu Ser Ser Ser Asp Asp
 115 120 125
 Ser Ser Ser Ser Ser Ser Ser Ser Leu Glu Ser Ser Gly Ser Phe Phe
 130 135 140
 Gly Asn Arg Thr Pro Gly Leu Gly
 145 150

<210> 543
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 543
 Cys Leu Asp Ala Phe Leu Phe Leu Leu Gly Lys Gln Leu Lys Lys Ser
 1 5 10 15
 Gly Glu Lys Pro Leu Leu Gly Gly Ser Leu Met Glu
 20 25

<210> 544
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 544
 Tyr Gln Met His Leu Leu Lys Lys Thr Leu Gln Lys Cys Glu Lys Asn
 1 5 10 15
 Gly Trp Met Glu Gln Ile Ser Gly Lys Gly Phe Ser Gly Thr
 20 25 30

<210> 545
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 545
 Lys Thr Pro Ala Lys Ser Pro Gly Lys Ala Ala Ser Val Lys Gln Arg
 1 5 10 15

Gly Ser Lys Pro Ala Pro Lys Val Ser Ala Ala Gln
20 25

<210> 546
<211> 28
<212> PRT
<213> Homo sapiens

<400> 546
Ser Ser Lys Lys Pro Ala Thr Ser Ala Arg Lys Glu Val Lys Leu Pro
1 5 10 15

Gly Lys Gly Lys Ser Thr Met Lys Lys Ser Phe Arg
20 25

<210> 547
<211> 23
<212> PRT
<213> Homo sapiens

<400> 547
Val Asp Glu Gly Leu Val Phe Leu Ala Gly Val Leu Ala Leu Gly Gly
1 5 10 15

Ala Phe Leu Gly Lys Gly Leu
20

<210> 548
<211> 25
<212> PRT
<213> Homo sapiens

<400> 548
Gly Leu Asp Pro Leu Cys Phe Thr Asp Ala Ala Phe Pro Gly Asp Leu
1 5 10 15

Ala Gly Val Phe Phe Cys Asn Leu Leu
20 25

<210> 549
<211> 30
<212> PRT
<213> Homo sapiens

<400> 549
Gly Gln Glu Glu Trp Thr Asn Ser Arg His Lys Ala Pro Ser Ala Arg
1 5 10 15

Thr Ala Lys Gly Val Tyr Arg Asp Gln Pro Tyr Gly Arg Tyr
20 25 30

<210> 550
<211> 26
<212> PRT

<213> Homo sapiens

<400> 550

Ile Leu Ala Ile Ser Leu Ala Gln Asn Phe Thr Pro Ser Trp Lys Gly
1 5 10 15

Gly Glu Arg Glu Cys Ser Asp Leu Tyr Leu
20 25

<210> 551

<211> 11

<212> PRT

<213> Homo sapiens

<400> 551

Leu Gln Thr Tyr Leu Ser Pro Tyr Lys Leu Phe
1 5 10

<210> 552

<211> 22

<212> PRT

<213> Homo sapiens

<400> 552

Leu Ala Ala Gly Ile Leu Asn Ser Ser Leu Pro Ala Leu Tyr His Ser
1 5 10 15

Val Glu Glu Ile Ser Gln
20

<210> 553

<211> 21

<212> PRT

<213> Homo sapiens

<400> 553

Ser Tyr Lys Met Ser Thr Thr Leu Ser Arg Arg His Gln Asn Val Ser
1 5 10 15

Leu Cys Lys Asp Met
20

<210> 554

<211> 57

<212> PRT

<213> Homo sapiens

<400> 554

Ile Cys Ile Glu Ser Leu Met Leu His Tyr Ile Ala Leu Val Phe Glu
1 5 10 15

Met Ala Phe Met Phe Pro Leu Val Tyr His Glu Met Gly Ser Asp Ser
20 25 30

Ile Arg Phe His Leu Cys Gln Val Asp Ser Cys Leu Pro Ser Met Met
35 40 45

Arg Phe Phe Phe Ser Phe Pro Phe Leu
50 55

<210> 555
<211> 21
<212> PRT
<213> Homo sapiens

<400> 555
Tyr Ile Ala Leu Val Phe Glu Met Ala Phe Met Phe Pro Leu Val Tyr
1 5 10 15

His Glu Met Gly Ser
20

<210> 556
<211> 21
<212> PRT
<213> Homo sapiens

<400> 556
Ser Asp Ser Ile Arg Phe His Leu Cys Gln Val Asp Ser Cys Leu Pro
1 5 10 15

Ser Met Met Arg Phe
20

<210> 557
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 557
Xaa Tyr Arg Met Asn Thr Lys Phe Leu Glu Ser Tyr Lys Met Ser Thr
1 5 10 15

Thr Leu Ser Arg Arg His Gln Asn Val Ser Leu Cys Lys Asp Met Lys
20 25 30

Thr Pro Ala Gly Thr Asp Thr Lys Ile Ala Phe Leu Glu
35 40 45

<210> 558
<211> 115
<212> PRT
<213> Homo sapiens

<400> 558
Gly Gly Val Ser Val Gln Asp Gly Ser Leu Arg Glu Glu Thr Asp Val
1 5 10 15

Gly Glu Gly Gly Arg Pro Arg Gly Gly Gln Ser Glu Gly Ala Arg Val
 20 25 30
 Thr Arg Arg Pro Ser Pro Pro Asp Ser Asn Ala Ser Ala Phe Asp Leu
 35 40 45
 Asp Leu Asp Phe Ser Pro Phe Cys Ile Trp Cys Tyr Arg Leu Glu Thr
 50 55 60
 Pro Ala Glu Val Val Phe Ser Pro Ala Pro Leu Arg Leu Ser Gly Pro
 65 70 75 80
 Gly Leu Ala Pro Val Val Phe Val Ser Thr Leu Pro Ser Leu Gln Pro
 85 90 95
 Ser Ser Phe Cys Gly Trp Asp Leu Pro Ala Arg Pro Arg Gly Leu Ser
 100 105 110
 Gly Phe Arg
 115

<210> 559
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 559
 Phe Thr Asn Lys Ser Cys Ser Lys Met Ser Ser Thr His Leu Tyr Lys
 1 5 10 15
 Gly Ser Asp Val Leu Cys Tyr Ala Arg Ser Ser Glu Ser Met Ser Leu
 20 25 30
 Ser Cys Gly Asp Val Ala Asn Ala Gly Arg Leu Thr Pro Arg Leu His
 35 40 45
 Leu Ala Arg Ser Ala Ser Gln Gly Pro Pro Thr Leu Pro Arg Val Pro
 50 55 60
 Pro Arg Gly Ser Arg Pro Pro Thr Ala Gly Glu Ser Pro Ala Pro Arg
 65 70 75 80
 Thr Xaa Ser Leu Glu Asn His Lys Asn Ile Asp His Leu Ser Ser Asn
 85 90 95
 Ser His Gly Lys Phe Arg Ile Tyr Gly Gln Asn Asp Ile Lys Ile
 100 105 110

<210> 560
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 560

Gln Asp Val Ile Tyr Thr Phe Val Gln Arg Phe Arg Arg Pro Met Leu
1 5 10 15

Cys Thr Ile Leu Arg Lys Tyr Glu Pro Val Val Arg Gly Arg Arg Lys
20 25 30

Arg Trp Gln Ala His Pro Ser Ser Ala Phe Gly Lys Lys Arg Leu Pro
35 40 45

Arg Pro Pro His Pro Ala Gln Gly Ala Pro Gln Arg Glu Gln Ala Ser
50 55 60

His Ser Trp Arg Glu Pro Gly Pro Gln Asn Thr Phe Pro Arg Lys Pro
65 70 75 80

<210> 561

<211> 22

<212> PRT

<213> Homo sapiens

<400> 561

Arg Glu Glu Thr Asp Val Gly Glu Gly Gly Arg Pro Arg Gly Gly Gln
1 5 10 15

Ser Glu Gly Ala Arg Val
20

<210> 562

<211> 27

<212> PRT

<213> Homo sapiens

<400> 562

Gly Pro Gly Leu Ala Pro Val Val Phe Val Ser Thr Leu Pro Ser Leu
1 5 10 15

Gln Pro Ser Ser Phe Cys Gly Trp Asp Leu Pro
20 25

<210> 563

<211> 24

<212> PRT

<213> Homo sapiens

<400> 563

Met Ser Ser Thr His Leu Tyr Lys Gly Ser Asp Val Leu Cys Tyr Ala
1 5 10 15

Arg Ser Ser Glu Ser Met Ser Leu
20

<210> 564
<211> 28
<212> PRT
<213> Homo sapiens

<400> 564
Ser Gln Gly Pro Pro Thr Leu Pro Arg Val Pro Pro Arg Gly Ser Arg
1 5 10 15
Pro Pro Thr Ala Gly Glu Ser Pro Ala Pro Arg Thr
20 25

<210> 565
<211> 25
<212> PRT
<213> Homo sapiens

<400> 565
Arg Phe Arg Arg Pro Met Leu Cys Thr Ile Leu Arg Lys Tyr Glu Pro
1 5 10 15
Val Val Arg Gly Arg Arg Lys Arg Trp
20 25

<210> 566
<211> 24
<212> PRT
<213> Homo sapiens

<400> 566
Arg Leu Pro Arg Pro Pro His Pro Ala Gln Gly Ala Pro Gln Arg Glu
1 5 10 15
Gln Ala Ser His Ser Trp Arg Glu
20

<210> 567
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 567
Met His Gln Gln Lys Arg Gln Pro Glu Leu Val Glu Gly Asn Leu Pro
1 5 10 15
Val Phe Val Phe Pro Thr Glu Leu Ile Phe Tyr Ala Asp Asp Gln Ser
20 25 30

Thr His Lys Gln Val Leu Thr Leu Tyr Asn Pro Tyr Glu Phe Ala Leu
 35 40 45
 Lys Phe Lys Val Leu Cys Thr Thr Pro Asn Lys Tyr Val Val Val Asp
 50 55 60
 Ala Ala Gly Ala Val Lys Pro Gln Cys Cys Val Asp Ile Val Ile Arg
 65 70 75 80
 His Arg Asp Val Arg Ser Cys His Tyr Gly Val Ile Asp Lys Phe Arg
 85 90 95
 Leu Gln Val Ser Glu Gln Ser Gln Arg Lys Ala Leu Gly Lys Lys Arg
 100 105 110
 Gly Cys Cys Tyr Ser Ser Pro Ile Ser Lys Arg Thr Thr Lys Gly Arg
 115 120 125
 Arg Gly Lys Lys Ile Lys Gly Thr Phe Asn Xaa Xaa Phe Ile Phe
 130 135 140

<210> 568
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 568
 Thr Met Leu Phe Tyr Leu Ser Ser Gln Pro Asp Trp Gln Leu Asp Phe
 1 5 10 15
 Phe Arg Val Ser Phe Asn Gly Pro Val Phe Phe Ile Ile Ile Phe Asn
 20 25 30
 Asp Arg Ala Gly Phe Arg Met Gln Ala Leu Val Ser Gln Ala Ala Cys
 35 40 45
 Arg Arg Ser Arg Tyr Lys Leu Ser Val Val Tyr
 50 55

<210> 569
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 569
 Asp Arg Ala Gly Phe Arg Met Gln Ala Leu Val Ser Gln Ala Ala Cys
 1 5 10 15
 Arg Arg Ser Arg Tyr Lys Leu
 20

<210> 570
 <211> 438
 <212> PRT
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> misc_feature
<222> (324)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 570
Met Ala Met Gly Phe Pro Gly Tyr Asp Leu Ser Ala Asp Asp Ile Ala
  1              5              10              15

Gly Lys Phe Gln Phe Ser Arg Gly Met Arg Arg Ser Tyr Asp Ala Gly
      20              25              30

Phe Lys Leu Met Val Val Glu Tyr Ala Glu Ser Thr Asn Asn Cys Gln
      35              40              45

Ala Ala Lys Gln Phe Gly Val Leu Glu Lys Asn Val Arg Asp Trp Arg
      50              55              60

Lys Val Lys Pro Gln Leu Gln Asn Ala His Ala Met Arg Arg Ala Phe
      65              70              75              80

Arg Gly Pro Xaa Asn Gly Arg Phe Ala Leu Val Asp Gln Arg Val Ala
      85              90              95

Glu Tyr Val Arg Tyr Met Gln Ala Lys Gly Asp Pro Ile Thr Arg Glu
      100             105             110

Ala Met Gln Leu Lys Ala Leu Glu Ile Ala Gln Glu Met Asn Ile Pro
      115             120             125

Glu Lys Gly Phe Lys Ala Ser Leu Gly Trp Cys Arg Arg Met Met Arg
      130             135             140

Arg Tyr Asp Leu Ser Leu Arg His Lys Val Pro Val Pro Gln His Leu
      145             150             155             160

Pro Glu Asp Leu Thr Glu Lys Leu Val Thr Tyr Gln Arg Ser Val Leu
      165             170             175

Ala Leu Arg Arg Ala His Asp Tyr Glu Val Ala Xaa Met Gly Asn Ala
      180             185             190

Asp Glu Thr Pro Ile Cys Leu Glu Val Pro Ser Arg Val Thr Val Asp
      195             200             205

Asn Gln Gly Glu Lys Pro Val Leu Val Lys Thr Pro Gly Arg Glu Lys
      210             215             220

Leu Lys Ile Thr Ala Met Leu Gly Val Leu Ala Asp Gly Arg Lys Leu
      225             230             235             240

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Pro Pro Tyr Ile Ile Leu Arg Gly Thr Tyr Ile Pro Pro Gly Lys Phe
 245 250 255
 Pro Ser Gly Met Glu Ile Arg Cys His Arg Tyr Gly Trp Met Thr Glu
 260 265 270
 Asp Leu Met Gln Asp Trp Leu Glu Val Val Trp Arg Arg Arg Thr Gly
 275 280 285
 Ala Val Pro Lys Gln Arg Gly Met Leu Ile Leu Asn Gly Phe Arg Gly
 290 295 300
 His Ala Thr Asp Ser Val Lys Asn Ser Met Glu Ser Met Asn Thr Asp
 305 310 315 320
 Met Val Ile Xaa Pro Gly Gly Leu Thr Ser Gln Leu Gln Val Leu Asp
 325 330 335
 Val Val Val Tyr Lys Pro Leu Asn Asp Ser Val Arg Ala Gln Tyr Ser
 340 345 350
 Asn Trp Leu Leu Ala Gly Asn Leu Ala Leu Ser Pro Thr Gly Asn Ala
 355 360 365
 Lys Lys Pro Pro Leu Gly Leu Phe Leu Glu Trp Val Met Val Ala Trp
 370 375 380
 Asn Ser Ile Ser Ser Glu Ser Ile Val Gln Gly Phe Lys Lys Cys His
 385 390 395 400
 Ile Ser Ser Asn Leu Glu Glu Glu Asp Asp Val Leu Trp Glu Ile Glu
 405 410 415
 Ser Glu Leu Pro Gly Gly Gly Glu Pro Pro Lys Asp Cys Asp Thr Glu
 420 425 430
 Ser Met Ala Glu Ser Asn
 435

<210> 571
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 571
 Arg Gly Met Arg Gly Arg Trp Leu Val Ser Ser Gly Ala Ala Phe Pro
 1 5 10 15
 Ile Pro Leu Asn Gly Phe Cys Glu Ser Arg Glu Phe Phe Pro Asp Ser
 20 25 30
 Gly Ser Val Leu Leu His Trp Arg Pro Asn Xaa Val Leu Ile Glu Ile
 35 40 45

Lys Val Phe Gly Ser Arg Ser Gln Ser Leu Ile Ser Ser Lys Asn Leu
 50 55 60

Lys Thr Ser Leu Thr Phe Ile Tyr Gly Lys Val Glu Glu Val Leu Asn
 65 70 75 80

Asn

<210> 572

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 572

Leu Lys Leu Ser Ser Ala Asp Ser Gln Ala Ile Met Asn Ile Phe Ser
 1 5 10 15

Ala Asp Cys Met Pro Arg Leu His Ile Ala Leu Gln Thr Glu Met Ile
 20 25 30

Pro Asn Arg Ala Pro Gln Gly Gly Ala Ala Ala Asn Leu Trp His Glu
 35 40 45

Ala Gln Tyr Arg Arg Leu Pro Phe Ser Arg Ala Pro Glu Xaa Thr Asp
 50 55 60

Ala His Gln Ala Ser Ala Gln Arg Gly Ala Ala Gln Leu Pro Arg Glu
 65 70 75 80

Gln

<210> 573

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 573

Pro Ile Pro Leu Asn Gly Phe Cys Glu Ser Arg Glu Phe Phe Pro Asp
 1 5 10 15

Ser Gly Ser Val Leu Leu His Trp Arg Pro Asn Xaa
 20 25

<210> 574

<211> 29
<212> PRT
<213> Homo sapiens

<400> 574
Asn Ile Phe Ser Ala Asp Cys Met Pro Arg Leu His Ile Ala Leu Gln
1 5 10 15
Thr Glu Met Ile Pro Asn Arg Ala Pro Gln Gly Gly Ala
20 25

<210> 575
<211> 37
<212> PRT
<213> Homo sapiens

<400> 575
Thr Phe Arg Leu Val Ser Ala His Leu Lys Thr Arg Lys Leu Ile Asn
1 5 10 15
Pro Glu Ala Ala Glu Arg Arg Trp Arg Asp Trp Asp Ser Arg Gln Gly
20 25 30
Trp Leu Ser Val Lys
35

<210> 576
<211> 21
<212> PRT
<213> Homo sapiens

<400> 576
Lys Thr Arg Lys Leu Ile Asn Pro Glu Ala Ala Glu Arg Arg Trp Arg
1 5 10 15
Asp Trp Asp Ser Arg
20

<210> 577
<211> 83
<212> PRT
<213> Homo sapiens

<400> 577
Trp Asn Tyr Thr Val Asn Asn Leu Tyr Leu Phe Ser Phe Ser Ile Val
1 5 10 15
Ser Met Lys Phe Met His Val Leu Ser Ile Asn Ile Phe Phe Gly Arg
20 25 30
Ala Arg Trp Leu Thr Pro Val Ile Pro Ala Leu Leu Glu Ala Glu Ala
35 40 45
Gly Gly Ser Leu Gly Gln Glu Phe Lys Thr Ser Leu Gly Lys Asp Gly
50 55 60
Glu Thr Pro Ser Leu Leu Lys Ile Gln Lys Leu Ala Gly His Gly Gly

65 70 75 80
 Arg Arg Leu

 <210> 578
 <211> 76
 <212> PRT
 <213> Homo sapiens

 <400> 578
 Asp Gln Pro Gly Lys His Gly Glu Thr Leu Ser Leu Leu Lys Met Gln
 1 5 10 15
 Lys Leu Thr Trp Cys Gly Gly Met Pro Phe Val Ile Pro Ser Tyr Ser
 20 25 30
 Arg Ser Pro Arg Pro Glu Asn Arg Leu Asn Leu Gly Asp Arg Gly Cys
 35 40 45
 Thr Glu Leu Leu His Ser Ser Leu Gly Asn Arg Val Arg Leu Ser Lys
 50 55 60
 Lys Lys Glu Val Tyr Met Met Glu Leu Tyr Ser Lys
 65 70 75

 <210> 579
 <211> 28
 <212> PRT
 <213> Homo sapiens

 <400> 579
 Val Ile Pro Ala Leu Leu Glu Ala Glu Ala Gly Gly Ser Leu Gly Gln
 1 5 10 15
 Glu Phe Lys Thr Ser Leu Gly Lys Asp Gly Glu Thr
 20 25

 <210> 580
 <211> 29
 <212> PRT
 <213> Homo sapiens

 <400> 580
 Asn Arg Leu Asn Leu Gly Asp Arg Gly Cys Thr Glu Leu Leu His Ser
 1 5 10 15
 Ser Leu Gly Asn Arg Val Arg Leu Ser Lys Lys Lys Glu
 20 25

 <210> 581
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <400> 581

His Glu Ile Phe Gly Gln Val Phe
1 5

<210> 582
<211> 17
<212> PRT
<213> Homo sapiens

<400> 582
His Ala Ser Glu His Leu Ala Ala Leu Pro Val Asn Val Lys Ile Gly
1 5 10 15

Lys

<210> 583
<211> 77
<212> PRT
<213> Homo sapiens

<400> 583
Leu Val Cys Ile Leu Leu Val His Trp Ile Pro Pro Leu Gly Ala Trp
1 5 10 15

Gly Leu Ser Leu Met Leu Phe Leu Ile Leu Glu Gln Arg Cys Gly Lys
20 25 30

Gly Lys Trp Arg Asn Ala Leu Leu Ser Val Ser Phe Ser Val Pro Gln
35 40 45

Leu Gln Met Gln Lys Val Ser Leu Asp Ser Thr Pro Leu Asn Val Asn
50 55 60

His Asp Lys Met Asp Ile Trp Lys Leu Thr Pro Lys Leu
65 70 75

<210> 584
<211> 57
<212> PRT
<213> Homo sapiens

<400> 584
Ile Met Ile Lys Trp Ile Phe Gly Asn Leu Leu Leu Ser Cys Asp Leu
1 5 10 15

Gly Cys Ile Ser Thr Ser Gly Leu Pro Gln Tyr Gln Gly Leu Arg Leu
20 25 30

Leu Asn Phe Glu Tyr Ser Leu Gly Phe Met Leu Arg Ser Leu Trp Ser
35 40 45

Arg Ser Ala Ile Gln Cys Phe Phe Ser
50 55

<210> 585
<211> 21

<212> PRT

<213> Homo sapiens

<400> 585

Leu Leu Leu Ser Cys Asp Leu Gly Cys Ile Ser Thr Ser Gly Leu Pro
1 5 10 15

Gln Tyr Gln Gly Leu
20

<210> 586

<211> 21

<212> PRT

<213> Homo sapiens

<400> 586

Leu Arg Leu Leu Asn Phe Glu Tyr Ser Leu Gly Phe Met Leu Arg Ser
1 5 10 15

Leu Trp Ser Arg Ser
20

<210> 587

<211> 78

<212> PRT

<213> Homo sapiens

<400> 587

Ala Ser Pro His Leu Phe Ile Glu Lys Trp Gly Arg Ala Phe Ile Leu
1 5 10 15

Arg Lys Leu Leu Leu Val Pro Val Ile Ser Lys Arg Ile Ile Asn Ile
20 25 30

Met Ala His Gln Val Lys Pro Pro Ile Phe Cys Ala Met Ile Met Cys
35 40 45

Asn Leu Phe Cys Ser Gly Tyr Glu His Leu Leu Phe Thr Leu Met Arg
50 55 60

Phe Phe Ser Phe Glu Gln Ile Phe Asp Glu Val Val Phe His
65 70 75

<210> 588

<211> 25

<212> PRT

<213> Homo sapiens

<400> 588

Lys Leu Leu Leu Val Pro Val Ile Ser Lys Arg Ile Ile Asn Ile Met
1 5 10 15

Ala His Gln Val Lys Pro Pro Ile Phe
20 25

<210> 589

<211> 7
 <212> PRT
 <213> Homo sapiens

<400> 589
 Pro Glu Gln Lys Arg Leu His
 1 5

<210> 590
 <211> 358
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (352)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> misc_feature
 <222> (356)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 590
 Phe Ala Val Ile Arg Phe Glu Ser Ile Ile His Glu Phe Asp Pro Trp
 1 5 10 15
 Phe Asn Tyr Arg Ser Thr His His Leu Ala Ser His Gly Phe Tyr Glu
 20 25 30
 Phe Leu Asn Trp Phe Asp Glu Arg Ala Trp Tyr Pro Leu Gly Arg Ile
 35 40 45
 Val Gly Gly Thr Val Tyr Pro Gly Leu Met Ile Thr Ala Gly Leu Ile
 50 55 60
 His Trp Ile Leu Asn Thr Leu Asn Ile Thr Val His Ile Arg Asp Val
 65 70 75 80
 Cys Val Phe Leu Ala Pro Thr Phe Ser Gly Leu Thr Ser Ile Ser Thr
 85 90 95
 Phe Leu Leu Thr Arg Glu Leu Trp Asn Gln Gly Ala Gly Leu Leu Ala
 100 105 110
 Ala Cys Phe Ile Ala Ile Val Pro Gly Tyr Ile Ser Arg Ser Val Ala
 115 120 125
 Gly Ser Phe Asp Asn Glu Gly Ile Ala Ile Phe Ala Leu Gln Phe Thr
 130 135 140
 Tyr Tyr Leu Trp Val Lys Ser Val Lys Thr Gly Ser Val Phe Trp Thr
 145 150 155 160
 Met Cys Cys Cys Leu Ser Tyr Phe Tyr Met Val Ser Ala Trp Gly Gly
 165 170 175
 Tyr Val Phe Ile Ile Asn Leu Ile Pro Leu His Val Phe Val Leu Leu
 180 185 190

Leu Met Gln Arg Tyr Ser Lys Arg Val Tyr Ile Ala Tyr Ser Thr Phe
 195 200 205
 Tyr Ile Val Gly Leu Ile Leu Ser Met Gln Ile Pro Phe Val Gly Phe
 210 215 220
 Gln Pro Ile Arg Thr Ser Glu His Met Ala Ala Ala Gly Val Phe Ala
 225 230 235 240
 Leu Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg Asp Arg Leu Thr
 245 250 255
 Lys Gln Glu Phe Gln Thr Leu Phe Phe Leu Gly Val Ser Leu Ala Ala
 260 265 270
 Gly Ala Val Phe Leu Ser Val Ile Tyr Leu Thr Tyr Thr Gly Tyr Ile
 275 280 285
 Ala Pro Trp Ser Gly Arg Phe Tyr Ser Leu Trp Asp Thr Gly Tyr Ala
 290 295 300
 Lys Ile His Ile Pro Ile Ile Ala Ser Val Ser Glu His Gln Pro Thr
 305 310 315 320
 Thr Trp Val Ser Phe Phe Phe Asp Leu His Ile Leu Val Cys Thr Phe
 325 330 335
 Pro Ala Gly Leu Trp Phe Cys Ile Lys Asn Ile Asn Asp Glu Arg Xaa
 340 345 350
 Phe Gly Lys Xaa Gly Phe
 355

<210> 591
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 591
 Glu Phe Asp Pro Trp Phe Asn Tyr Arg Ser Thr His His Leu Ala Ser
 1 5 10 15
 His Gly Phe Tyr Glu Phe Leu Asn Trp Phe Asp
 20 25

<210> 592
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 592
 Thr Arg Glu Leu Trp Asn Gln Gly Ala Gly Leu Leu Ala Ala Cys Phe
 1 5 10 15

Ile Ala Ile Val Pro Gly Tyr
 20

<210> 593
<211> 22
<212> PRT
<213> Homo sapiens

<400> 593
Thr Tyr Tyr Leu Trp Val Lys Ser Val Lys Thr Gly Ser Val Phe Trp
1 5 10 15
Thr Met Cys Cys Cys Leu
20

<210> 594
<211> 25
<212> PRT
<213> Homo sapiens

<400> 594
Gly Val Phe Ala Leu Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg
1 5 10 15
Asp Arg Leu Thr Lys Gln Glu Phe Gln
20 25

<210> 595
<211> 27
<212> PRT
<213> Homo sapiens

<400> 595
Tyr Ser Leu Trp Asp Thr Gly Tyr Ala Lys Ile His Ile Pro Ile Ile
1 5 10 15
Ala Ser Val Ser Glu His Gln Pro Thr Thr Trp
20 25

<210> 596
<211> 408
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 596
Met Gly His Met Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg Thr Met
1 5 10 15
His Lys Tyr Xaa Gln Glu Ser Lys Lys Ala Gly Lys Ala Ser Phe Ala
20 25 30
Tyr Ala Trp Val Leu Asp Glu Thr Gly Glu Glu Arg Glu Arg Gly Val
35 40 45

Thr Met Asp Val Gly Met Thr Lys Phe Glu Thr Thr Thr Lys Val Ile
 50 55 60
 Thr Leu Met Asp Ala Pro Gly His Lys Asp Phe Ile Pro Asn Met Ile
 65 70 75 80
 Thr Gly Ala Ala Gln Ala Asp Val Ala Val Leu Val Val Asp Ala Ser
 85 90 95
 Arg Gly Glu Phe Glu Ala Gly Phe Glu Thr Gly Gly Gln Thr Arg Glu
 100 105 110
 His Gly Leu Leu Val Arg Ser Leu Gly Val Thr Gln Leu Ala Val Ala
 115 120 125
 Val Asn Lys Met Asp Gln Val Asn Trp Gln Gln Glu Arg Phe Gln Glu
 130 135 140
 Ile Thr Gly Lys Leu Gly His Phe Leu Lys Gln Ala Gly Phe Lys Glu
 145 150 155 160
 Ser Asp Val Gly Phe Ile Pro Thr Ser Gly Leu Ser Gly Glu Asn Leu
 165 170 175
 Ile Thr Arg Ser Gln Ser Ser Glu Leu Thr Lys Trp Tyr Lys Gly Leu
 180 185 190
 Cys Leu Leu Glu Gln Ile Asp Ser Phe Lys Pro Pro Gln Arg Ser Ile
 195 200 205
 Asp Lys Pro Phe Arg Leu Cys Val Ser Asp Val Phe Lys Asp Gln Gly
 210 215 220
 Ser Gly Phe Cys Ile Thr Gly Lys Ile Glu Ala Gly Tyr Ile Gln Thr
 225 230 235 240
 Gly Asp Arg Leu Leu Ala Met Pro Pro Asn Glu Thr Cys Thr Val Lys
 245 250 255
 Gly Ile Thr Leu His Asp Glu Pro Val Asp Trp Ala Ala Ala Gly Asp
 260 265 270
 His Val Ser Leu Thr Leu Val Gly Met Asp Ile Ile Lys Ile Asn Val
 275 280 285
 Gly Cys Ile Phe Cys Gly Pro Lys Val Pro Ile Lys Ala Cys Thr Arg
 290 295 300
 Phe Arg Ala Arg Ile Leu Ile Phe Asn Ile Glu Ile Pro Ile Thr Lys
 305 310 315 320
 Gly Phe Pro Val Leu Leu His Tyr Gln Thr Val Ser Glu Pro Ala Val
 325 330 335
 Ile Lys Arg Leu Ile Ser Val Leu Asn Lys Ser Thr Gly Glu Val Thr
 340 345 350
 Lys Lys Lys Pro Lys Phe Leu Thr Lys Gly Gln Asn Ala Leu Val Glu
 355 360 365

Leu Gln Thr Gln Arg Pro Ile Ala Leu Glu Leu Tyr Lys Asp Phe Lys
370 375 380

Glu Leu Gly Arg Phe Met Leu Arg Tyr Gly Gly Ser Thr Ile Ala Ala
385 390 395 400

Gly Val Val Thr Glu Ile Lys Glu
405

<210> 597
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 597
Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg Thr Met His Lys Tyr Xaa
1 5 10 15

Gln Glu Ser Lys Lys
20

<210> 598
<211> 23
<212> PRT
<213> Homo sapiens

<400> 598
Leu Asp Glu Thr Gly Glu Glu Arg Glu Arg Gly Val Thr Met Asp Val
1 5 10 15

Gly Met Thr Lys Phe Glu Thr
20

<210> 599
<211> 22
<212> PRT
<213> Homo sapiens

<400> 599
Gly His Lys Asp Phe Ile Pro Asn Met Ile Thr Gly Ala Ala Gln Ala
1 5 10 15

Asp Val Ala Val Leu Val
20

<210> 600
<211> 23
<212> PRT
<213> Homo sapiens

<400> 600

Gly Phe Glu Thr Gly Gly Gln Thr Arg Glu His Gly Leu Leu Val Arg
 1 5 10 15

Ser Leu Gly Val Thr Gln Leu
 20

<210> 601
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 601
 Trp Gln Gln Glu Arg Phe Gln Glu Ile Thr Gly Lys Leu Gly His Phe
 1 5 10 15

Leu Lys Gln Ala Gly Phe Lys
 20

<210> 602
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 602
 Thr Ser Gly Leu Ser Gly Glu Asn Leu Ile Thr Arg Ser Gln Ser Ser
 1 5 10 15

Glu Leu Thr Lys Trp Tyr
 20

<210> 603
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 603
 Pro Gln Arg Ser Ile Asp Lys Pro Phe Arg Leu Cys Val Ser Asp Val
 1 5 10 15

Phe Lys Asp Gln Gly Ser Gly
 20

<210> 604
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 604
 Leu Ile Ser Val Leu Asn Lys Ser Thr Gly Glu Val Thr Lys Lys Lys
 1 5 10 15

Pro Lys Phe Leu Thr Lys
 20

<210> 605

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 605
 Gln Arg Pro Ile Ala Leu Glu Leu Tyr Lys Asp Phe Lys Glu Leu Gly
 1 5 10 15
 Arg Phe Met Leu Arg Tyr Gly Gly Ser
 20 25

<210> 606
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 606
 Gln Lys Gly Pro Pro Ile Glu Asp Ala Ile Ala Ser Ser Asp Val Leu
 1 5 10 15
 Glu Thr Ala Ser Lys Ser Ala Asn Pro Pro His Thr Ile Gln Ala Ser
 20 25 30
 Glu Glu Gln Ser Ser Thr Pro Ala Pro Val Lys Lys Ser Gly Lys Leu
 35 40 45
 Arg Gln Gln Ile Asp Val Lys Ala Glu Leu Glu Lys Arg Gln Gly Gly
 50 55 60
 Lys Gln Leu Leu Asn Leu Val Val Ile Gly His Val Asp Ala Gly Lys
 65 70 75 80
 Ser Thr Leu

<210> 607
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 607
 Asn Gly Phe Phe Ser Phe Ser Met Tyr Ile Ile Leu Cys Gln Thr Phe
 1 5 10 15
 Phe Ser Val Ala Ala Leu Arg Trp Thr Gly Asp Ser Ile Gly Phe Ile
 20 25 30
 Asn Leu Ser Phe Ser His Leu Phe Ile Pro Gln Thr Phe Val Glu Gly
 35 40 45
 His Gln Ala Leu Gly Arg Gly Lys Trp Phe Tyr Lys Leu Val Leu Ser
 50 55 60
 Gly Ile Lys Glu Ile Tyr Asn Leu Tyr Tyr Leu Ile Val Ala Thr Ser
 65 70 75 80
 His Met Trp Phe Ser Asn Lys Ile Ser Ile Thr Ser Pro Thr Thr Phe
 85 90 95

Ser Ser Leu Val Arg Ser Arg Pro Arg Glu Thr Val Pro Phe Ile Val
100 105 110

Phe Ser Ala Phe Tyr Lys Leu Arg
115 120

<210> 608
<211> 21
<212> PRT
<213> Homo sapiens

<400> 608
Ile Ile Leu Cys Gln Thr Phe Phe Ser Val Ala Ala Leu Arg Trp Thr
1 5 10 15

Gly Asp Ser Ile Gly
20

<210> 609
<211> 21
<212> PRT
<213> Homo sapiens

<400> 609
Gly Phe Ile Asn Leu Ser Phe Ser His Leu Phe Ile Pro Gln Thr Phe
1 5 10 15

Val Glu Gly His Gln
20

<210> 610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 610
Gln Ala Leu Gly Arg Gly Lys Trp Phe Tyr Lys Leu Val Leu Ser Gly
1 5 10 15

Ile Lys Glu Ile
20

<210> 611
<211> 21
<212> PRT
<213> Homo sapiens

<400> 611
Ile Tyr Asn Leu Tyr Tyr Leu Ile Val Ala Thr Ser His Met Trp Phe
1 5 10 15

Ser Asn Lys Ile Ser
20